



Vibrating Wire Pressure Transducer

Customer: Mount Polley Mining Corp
 Model: VW-2100-050
 Serial Number: 50675
 Mfg Number: 9-2819
 Range: 50 PSI
 Temperature: 23.5 °C
 Barometric Pressure: 991.3 millibars
 Cable Length: 75.5 metres
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (B units)	Linerarity F.S. Error (%)	Polynomial Fit (% FS)
0	8440	0	8440	0	8440	0.1	0.15	-0.03
10	7911	10	7911	10	7911	10.0	-0.04	0.00
20	7377	20	7378	20	7378	20.0	-0.05	0.09
30	6847	30	6843	30	6845	29.9	-0.10	0.04
40	6309	40	6319	40	6314	39.9	-0.21	-0.18
50	5761	50	5774	50	5768	50.1	0.26	0.08
Max. Error (%):							0.26	

Linear Calibration Factor: C.F. = 0.018730 psi / B unit
 Temperature Correction Factor: Tk = -0.0031228 psi / °C rise

Polynomial Gage Factors A: -9.122E-08 B: -0.017434 C: 153.628

Pressure is calculated with the following equations:

Linear, $P(\text{psi}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.14504 (B_i - B_c)]$

Polynomial, $P(\text{psi}) = A(L_c)^2 + B L_c + C + K(T_c - T_i) - [0.14504(B_c - B_i)]$

FACTORY ZERO READINGS:

VW2104	TEMP °C	BARO
Pos. B (Li)	(Ti)	(Bi)
<u>8410.7</u>	<u>23.1</u>	<u>1016</u>

L_i, L_c = initial (at installation) and current readings
 T_i, T_c = initial (at installation) and current temperature, in °C
 B_i, B_c = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician:

Date: Aug 13, 1999





Vibrating Wire Pressure Transducer

Customer: Mount Polley Mining
 Model: VW-2100-050
 Serial Number: 50678
 Mfg Number: 9-2822
 Range: 50 PSI
 Temperature: 23.5 °C
 Barometric Pressure: 991.3 millibars
 Cable Length: 81.5 metres
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (B units)	Linerarity F.S. Error (%)	Polynomial Fit (% FS)
0	8857	0	8857	0	8857	0.0	0.02	0.03
10	8324	10	8324	10	8324	10.0	-0.02	-0.02
20	7790	20	7789	20	7790	20.0	-0.01	-0.02
30	7258	30	7258	30	7258	29.9	-0.10	-0.11
40	6715	40	6715	40	6715	40.1	0.23	0.23
50	6193	50	6187	50	6190	49.9	-0.11	-0.10
Max. Error (%):							0.23	

Linear Calibration Factor: C.F. = 0.018723 psi / B unit
 Temperature Correction Factor: Tk = -0.0069588 psi / °C rise

Polynomial Gage Factors A: 6.540E-09 B: -0.018821 C: 166.203

Pressure is calculated with the following equations:
 Linear, $P(\text{psi}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.14504 (B_i - B_c)]$
 Polynomial, $P(\text{psi}) = A(L_c)^2 + BL_c + C + K(T_c - T_i) - [0.14504(B_c - B_i)]$

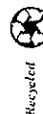
FACTORY ZERO READINGS:

VW2104	TEMP °C	BARO
Pos. B (Li)	(Ti)	(Bi)
<u>8835.3</u>	<u>23.9</u>	<u>1016</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician:

Date: AUG 03, 1999





Vibrating Wire Pressure Transducer

Customer: Mount Polley Mining Corp
 Model: VW-2100-050
 Serial Number: 50679
 Mfg Number: 9-2823
 Range: 50 PSI
 Temperature: 23.5 °C
 Barometric Pressure: 991.3 millibars
 Cable Length: 82.5 metres
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (B units)	Linerarity F.S. Error (%)	Polynomial Fit (% FS)	
0	8879	0	8879	0	8879	0.1	0.11	0.00	
10	8318	10	8319	10	8319	10.0	-0.01	0.01	
20	7757	20	7757	20	7757	20.0	-0.10	0.00	
30	7193	30	7195	30	7194	29.9	-0.13	-0.04	
40	6626	40	6625	40	6626	40.0	0.03	0.05	
50	6059	50	6060	50	6060	50.0	0.10	-0.02	
Max. Error (%):							0.13		

Linear Calibration Factor: C.F.= 0.017731 psi / B unit
 Temperature Correction Factor: Tk = -0.0065655 psi / °C rise

Polynomial Gage Factors A: -5.527E-08 B: -0.016905 C: 154.457

Pressure is calculated with the following equations:
 Linear, $P(\text{psi}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.014504 (B_i - B_c)]$
 Polynomial, $P(\text{psi}) = A(L_c)^2 + BL_c + C + K(T_c - T_i) - [0.014504(B_c - B_i)]$

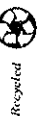
FACTORY ZERO READINGS:

VW2104	TEMP °C	BARO
Pos. B (Li)	(Ti)	(Bi)
<u>8857.4</u>	<u>23.8</u>	<u>1016</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician:

Date: AUG 13, 1999





Vibrating Wire Pressure Transducer

Customer: Mount Polley Mining Corp
 Model: VW-2100-050
 Serial Number: 50681
 Mfg Number: 9-2825
 Range: 50 PSI
 Temperature: 23.5 °C
 Barometric Pressure: 991.3 millibars
 Cable Length: 83.5 metres
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (B units)	Linerarity F.S. Error (%)	Polynomial Fit (% FS)	
0	9350	0	9349	0	9350	0.0	0.06	-0.01	
10	8815	10	8814	10	8815	10.0	-0.01	0.00	
20	8279	20	8277	20	8278	20.0	-0.03	0.03	
30	7742	30	7740	30	7741	30.0	-0.03	0.02	
40	7205	40	7206	40	7206	40.0	-0.09	-0.08	
50	6664	50	6662	50	6663	50.1	0.11	0.04	
Max. Error (%):							0.11		

Linear Calibration Factor: C.F. = 0.018620 psi / B unit
 Temperature Correction Factor: Tk = -0.0126637 psi / °C rise

Polynomial Gage Factors A: -3.868E-08 B: -0.018001 C: 171.676

Pressure is calculated with the foiling equations:
 Linear, $P(\text{psi}) = C.F. \times (L_i - L_c) - (T_k (T_i - T_c)) + \{ .014504 (B_i - B_c) \}$
 Polynomial, $P(\text{psi}) = A(L_c)^2 + BL_c + C + K(T_c - T_i) - [0.014504(B_c - B_i)]$

FACTORY ZERO READINGS:

VW2104	TEMP °C	BARO
Pos. B (Li)	(Ti)	(Bi)
<u>9330.0</u>	<u>23.5</u>	<u>1016</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician:

Date: Aug 13, 1999





Vibrating Wire Pressure Transducer

Customer: Mount Polley Mining Corp
Model: VW-2100-050
Serial Number: 50683
Mfg Number: 9-2827
Range: 50 PSI
Temperature: 23.5 °C
Barometric Pressure: 991.3 millibars
Cable Length: 90 metres
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (B units)	Linerarity F.S. Error (%)	Polynomial Fit (% FS)
0	9109	0	9109	0	9109	0.0	0.03	0.05
10	8558	10	8558	10	8558	10.0	-0.05	-0.05
20	8005	20	8005	20	8005	20.0	-0.05	-0.07
30	7449	30	7449	30	7449	30.0	0.05	0.04
40	6894	40	6895	40	6895	40.1	0.10	0.10
50	6347	50	6346	50	6347	50.0	-0.08	-0.06
Max. Error (%):							0.10	

Linear Calibration Factor: C.F. = 0.018079 psi / B unit
Temperature Correction Factor: Tk = 0.0081563 psi / °C rise

Polynomial Gage Factors A: 9.439E-09 B: -0.018225 C: 165.255

Pressure is calculated with the following equations:
Linear, $P(\text{psi}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.014504 (B_i - B_c)]$
Polynomial, $P(\text{psi}) = A(L_c)^2 + BL_c + C + K(T_c - T_i) - [0.014504(B_c - B_i)]$

FACTORY ZERO READINGS: VW2104 TEMP °C BARO
 Pos. B (Li) (Ti) (Bi)
 9090.2 23.5 1016

Li, Lc = initial (at installation) and current readings
Ti, Tc = initial (at installation) and current temperature, in °C
Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
B units = B scale output of VW 2102, VW 2104 readouts
B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician:

Date: AUG 13, 1999





Calibration Record

200 - 2050 Hartley Ave., Coquitlam, British Columbia, Canada V3K 6W5
 Tel: 604.540.1100 • Fax: 604.540.1005 • Toll Free: 1.800.665.5599 (North America only)
 e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Vibrating Wire Piezometer

Customer: RE-CREATION
 Model: VW2100-100
 Serial Number: 53765
 Mfg Number: 00-13
 Range: 100 PSI
 Temperature: 23.1 °C
 Barometric Pressure: 998.1 millibars
 W.O. Number:
 Cable Length:
 Cable Colour Code: Red / Black (Coil) Green / White (Thermistor)
 Cable Type: EL380004
 Thermistor Type: 3 Kohms

Applied Pressure (psi)	First Reading (B units)	Applied Pressure (psi)	Second Reading (B units)	Average Pressure (psi)	Average Readings (B units)	Calculated Pressure (psi)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0	9225	0	9228	0	9227	0.10	0.10	0.01
20	8363	20	8365	20	8364	19.97	-0.03	-0.01
40	7500	40	7498	40	7499	39.90	-0.10	-0.03
60	6629	60	6628	60	6629	59.95	-0.05	0.03
80	5759	80	5759	80	5759	79.98	-0.02	0.00
100	4887	100	4886	100	4887	100.08	0.08	-0.01
Max. Error (%):							0.10	0.03

Linear Calibration Factor: C.F.= 0.02304 psi / B unit
 Regression Zero: At Calibration = 9231 B unit
 Temperature Correction Factor: Tk = 0.008340 psi / °C rise

Polynomial Gage Factors A: -3.7115E-08 B: -0.022513 C: 210.89

Pressure is calculated with the following equations:
 Linear, $P(\text{psi}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [.014504 (Bi - Bc)]$
 Polynomial, $P(\text{psi}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [.014504(Bc - Bi)]$

Date (mm/dd/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
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Shipped Zero Readings: 25-Jul-00 9222 23.0 1014.0

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: _____ Date: _____

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43647
Range: 100 PSI
Temperature: 23.6 °C
Barometric Pressure: 1008.30 millibars
Cable Length: 100 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	Applied Pressure (psi)	Applied Pressure (psi)	Average Pressure (psi)	Applied Pressure (psi)	Average Pressure (psi)	Calculated pressure (psi)	F.S. Error (%)	
	First Reading		Second Reading		Average Reading			
0.0	9426	0.0	9426	0.0	9426	0.25	0.25	
20.0	8695	20.0	8700	20.0	8698	20.07	0.07	
40.0	7968	40.0	7966	40.0	7967	39.94	-0.06	
60.0	7235	60.0	7237	60.0	7236	59.82	-0.18	
80.0	6498	80.0	6500	80.0	6499	79.87	-0.13	
100.0	5740	100.0	5750	100.0	5745	100.38	0.38	
Max. error (%):							0.38	

Calibration factor: C.F. = 0.0272031 psi / Digit
Temperature correction factor: Tk = -0.03889 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C	BARO
Pos. B (Li)	(Tc)	(Bc)	
9415.7	21.2	1015.8	

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0047V

Calibrated by: *St. Tom*

Date: 16/11/98

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43648
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 100 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading	Applied Pressure (psi)	Second Reading	Average Pressure (psi)	Average Reading	Calculated pressure (psi)	F.S. Error (%)
0.0	9666	0.0	9670	0.0	9668	0.14	0.14
20.0	8974	20.0	8972	20.0	8973	19.81	-0.19
40.0	8264	40.0	8261	40.0	8263	39.91	-0.09
60.0	7561	60.0	7555	60.0	7558	59.85	-0.15
80.0	6845	80.0	6849	80.0	6847	79.97	-0.03
100.0	6133	100.0	6142	100.0	6138	100.05	0.05
Max. error (%):							0.19

Calibration factor: C.F. = 0.0282997 psi / Digit
Temperature correction factor: Tk = -0.04053 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C BARO
Pos. B (Li)	(Tc)	(Bc)
9658.9	20.7	1015.8

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars


NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0048V

Calibrated by: _____

Date: _____



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43649 Mfg. Number: 7-5654
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 21 8

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	8814	0	8814	0	8814			-0.03
20	7919	20	7920	20	7920	895	0.03	-0.02
40	7019	40	7015	40	7017	903	0.06	0.13
60	6121	60	6125	60	6123	894	0.04	0.03
80	5231	80	5235	80	5233	890	0.23	-0.21
100	4318	100	4313	100	4316	918	0.19	0.11

Linear Gage Factor (G): 0.022260 (psi/digit)

Polynomial Gage Factors: A: -3.23E-08 B: -0.021836 C:* 194.9

Thermal Factor (K): -0.01784 (psi/°C)

Calculated Pressures: Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$

Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)**$

**Barometric compensation is not required with vented transducers.

Factory Zero Reading:

GK-401 Pos. B or F(R_0): 8817 Temp(T_0): 22.7 °C Baro(S_0): 988.6 mbar Date: Jan. 28, 1998


*The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43650 Mfg. Number: 7-5655
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 13 15

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9054	0	9055	0	9055			0.07
20	8307	20	8316	20	8312	743	0.14	-0.13
40	7554	40	7552	40	7553	759	0.00	0.04
60	6803	60	6803	60	6803	750	0.08	-0.04
80	6041	80	6044	80	6043	761	0.12	0.13
100	5284	100	5305	100	5295	748	0.02	-0.07

Linear Gage Factor (G): 0.026558 (psi/digit)

Polynomial Gage Factors: A: -2.76E-08 B: -0.026162 C:* 239.2

Thermal Factor (K): -0.04059 (psi/°C)

Calculated Pressures: Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$

Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)**$

**Barometric compensation is not required with vented transducers.

Factory Zero Reading:

GK-401 Pos. B or F(R_0): 9058 Temp(T_0): 23.1 °C Baro(S_0): 988.6 mbar Date: Jan. 28, 1998


*The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43651 Mfg. Number: 7-5657
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 . 8 13

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9108	0	9108	0	9108			-0.01
20	8447	20	8450	20	8449	660	0.04	-0.02
40	7784	40	7783	40	7784	665	0.00	0.08
60	7120	60	7128	60	7124	660	0.13	-0.05
80	6456	80	6459	80	6458	667	0.06	-0.03
100	5781	100	5794	100	5788	670	0.13	0.03

Linear Gage Factor (G): 0.030127 (psi/digit)
Polynomial Gage Factors: A: -7.14E-08 B: -0.029063 C:* 270.6
Thermal Factor (K): -0.04024 (psi/°C)

Calculated Pressures: **Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$**
Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)$**
 **Barometric compensation is not required with vented transducers.

Factory Zero Reading:
 GK-401 Pos. B or F(R_0): 9108 Temp(T_0): 24.0 °C Baro(S_0): 988.6 mbar Date: Jan. 28, 1998

*The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43652
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 100 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading	Applied Pressure (psi)	Second Reading	Average Pressure (psi)	Average Reading	Calculated pressure (psi)	F.S. Error (%)
0.0	9327	0.0	9326	0.0	9327	0.11	0.11
20.0	8646	20.0	8647	20.0	8647	19.95	-0.05
40.0	7962	40.0	7961	40.0	7962	39.94	-0.06
60.0	7277	60.0	7276	60.0	7277	59.93	-0.07
80.0	6595	80.0	6588	80.0	6592	79.92	-0.08
100.0	5893	100.0	5905	100.0	5899	100.13	0.13
Max. error (%):							0.13

Calibration factor: C.F. = 0.0291817 psi / Digit
Temperature correction factor: Tk = -0.03894 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = \text{C.F.} \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C	BARO
Pos. B (Li)	(Tc)	(Bc)	
9313.1	21.5	1015.9	

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0052V

Calibrated by: _____

Date: _____

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43653
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 100 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading	Applied Pressure (psi)	Second Reading	Average Pressure (psi)	Average Reading	Calculated pressure (psi)	F.S. Error (%)
0.0	8868	0.0	8867	0.0	8868	0.08	0.08
20.0	8019	20.0	8017	20.0	8018	19.90	-0.10
40.0	7160	40.0	7159	40.0	7160	39.93	-0.07
60.0	6301	60.0	6301	60.0	6301	59.96	-0.04
80.0	5439	80.0	5441	80.0	5440	80.05	0.05
100.0	4585	100.0	4586	100.0	4586	99.98	-0.02
Max. error (%):							0.10

Calibration factor: C.F. = 0.0233313 psi / Digit
Temperature correction factor: Tk = -0.01648 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C BARO
Pos. B (Li)	(Tc)	(Bc)
8860.8	20.5	1015.8

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars


NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0053V

Calibrated by: _____

Date: _____



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43654 Mfg. Number: 7-5660
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 8 12

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9116	0	9115	0	9116			0.03
20	8237	20	8244	20	8241	875	0.08	-0.06
40	7354	40	7355	40	7355	886	0.05	0.04
60	6476	60	6472	60	6474	881	0.14	-0.05
80	5581	80	5580	80	5581	894	0.06	0.08
100	4693	100	4697	100	4695	886	0.07	-0.04

Linear Gage Factor (G): 0.022607 (psi/digit)

Polynomial Gage Factors: A: -4.26E-08 B: -0.022019 C:* 204.3

Thermal Factor (K): -0.02734 (psi/°C)

Calculated Pressures: **Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$**

Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)$**

***Barometric compensation is not required with vented transducers.*

Factory Zero Reading:

GK-401 Pos. B or F(R_0): 9124 Temp(T_0): 22.9 °C Baro(S_0): 988.6 mbar Date: Jan. 28, 1998


**The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.*

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43655 Mfg. Number: 7-5661
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 11 13

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9485	0	9486	0	9486			0.06
20	8835	20	8833	20	8834	652	0.10	-0.10
40	8174	40	8174	40	8174	660	0.02	-0.01
60	7516	60	7517	60	7517	658	0.02	0.00
80	6857	80	6853	80	6855	662	0.11	0.11
100	6202	100	6204	100	6203	652	0.05	-0.07

Linear Gage Factor (G): 0.030425 (psi/digit)

Polynomial Gage Factors: A: -1.07E-08 B: -0.030257 C:* 288.0

Thermal Factor (K): -0.04068 (psi/°C)

Calculated Pressures: **Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$**

Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)$**

***Barometric compensation is not required with vented transducers.*

Factory Zero Reading:

GK-401 Pos. B or F(R_0): 9483 Temp(T_0): 23.1 °C Baro(S_0): 988.6 mbar Date: Jan. 28, 1998

**The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.*

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43656
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 100 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading	Applied Pressure (psi)	Second Reading	Average Pressure (psi)	Average Reading	Calculated pressure (psi)	F.S. Error (%)
0.0	9367	0.0	9364	0.0	9366	0.19	0.19
20.0	8666	20.0	8673	20.0	8670	20.03	0.03
40.0	7965	40.0	7967	40.0	7966	40.09	0.09
60.0	7269	60.0	7271	60.0	7270	59.93	-0.07
80.0	6569	80.0	6573	80.0	6571	79.86	-0.14
100.0	5851	100.0	5855	100.0	5853	100.33	0.33
Max. error (%):							0.33

Calibration factor: C.F. = 0.0285080 psi / Digit
Temperature correction factor: Tk = -0.04667 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = \text{C.F.} \times (\text{Li} - \text{Lc}) + \text{Tk} (\text{Ti} - \text{Tc}) - (\text{Bi} - \text{Bc})$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C	BARO
Pos. B (Li)	(Tc)	(Bc)	
9351.7	21.8	1015.8	

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars


NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0056V

Calibrated by: _____

Date: _____



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43657 Mfg. Number: 7-5663
 Customer: R. S. Technical Int., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11504 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 
 23 12

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9400	0	9402	0	9401			0.05
20	8496	20	8491	20	8494	908	0.05	-0.05
40	7579	40	7582	40	7581	913	0.02	-0.03
60	6672	60	6671	60	6672	909	0.08	-0.09
80	5747	80	5745	80	5746	926	0.23	0.23
100	4851	100	4850	100	4851	896	0.12	-0.11

Linear Gage Factor (G): 0.021941 (psi/digit)

Polynomial Gage Factors: A: 4.39E-09 B: -0.022003 C:* 206.5

Thermal Factor (K): -0.02646 (psi/°C)

Calculated Pressures: Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$

Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)**$

**Barometric compensation is not required with vented transducers.

Factory Zero Reading:

GK-401 Pos. B or F(R₀): 9408 Temp(T₀): 22.4 °C Baro(S₀): 988.6 mbar Date: Jan. 28, 1998

*The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43658
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 75 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	First Reading	Applied Pressure (psi)	Second Reading	Average Pressure (psi)	Average Reading	Calculated pressure (psi)	F.S. Error (%)
0.0	9392	0.0	9396	0.0	9394	0.21	0.21
20.0	8464	20.0	8462	20.0	8463	20.10	0.10
40.0	7524	40.0	7522	40.0	7523	40.18	0.18
60.0	6582	60.0	6579	60.0	6581	60.31	0.31
80.0	5642	80.0	5631	80.0	5637	80.48	0.48
100.0	4721	100.0	4730	100.0	4726	99.94	-0.06
Max. error (%):							0.48

Calibration factor: C.F. = 0.0213641 psi / Digit
Temperature correction factor: Tk = -0.01705 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C	BARO
Pos. B (Li)	(Tc)		(Bc)
9386.1	21		1015.9

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0058V

Calibrated by: _____

Date: _____

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43673
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 75 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	Applied Pressure (psi)	Applied Pressure (psi)	Average Pressure (psi)	Applied Pressure (psi)	Average pressure (psi)	Calculated pressure (psi)	F.S. Error (%)	
	First Reading	Second Reading		Second Reading	Average Reading			
0.0	8765	8769	0.0	8769	8767	0.15	0.15	
20.0	8046	8049	20.0	8049	8048	19.90	-0.10	
40.0	7322	7321	40.0	7321	7322	39.82	-0.18	
60.0	6593	6590	60.0	6590	6592	59.86	-0.14	
80.0	5849	5859	80.0	5859	5854	80.10	0.10	
100.0	5132	5124	100.0	5124	5128	100.02	0.02	
Max. error (%):							0.18	

Calibration factor: C.F. = 0.0274447 psi / Digit
Temperature correction factor: Tk = -0.03090 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C BARO
Pos. B (Li)	(Tc)	(Bc)
8760.1	21.6	1015.9

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.:ELL0060V

Calibrated by: _____

Date: _____

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43674
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 75 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	Applied Pressure (psi)	Applied Pressure (psi)	Average Pressure (psi)	Average Pressure (psi)	Calculated pressure (psi)	F.S. Error (%)
	First Reading	Second Reading		Average Reading		
0.0	9158	9160	0.0	9159	0.13	0.13
20.0	8504	8501	20.0	8503	19.92	-0.08
40.0	7837	7833	40.0	7835	40.04	0.04
60.0	7177	7179	60.0	7178	59.84	-0.16
80.0	6506	6514	80.0	6510	79.97	-0.03
100.0	5833	5849	100.0	5841	100.14	0.14
Max. error (%):						0.16

Calibration factor: C.F. = 0.0301403 psi / Digit
Temperature correction factor: Tk = -0.04941 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C BARO
Pos. B (Li)	(Tc)	(Bc)
9153	21.2	1015.8

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0061V

Calibrated by: _____

Date: _____



Vibrating Wire Pressure Transducer Calibration

Model Number: 4500S-0100 Pressure Range: 100 psi
 Serial Number: 43675 Mfg. Number: 7-5679
 Customer: R.S. Technical Inst., Ltd. Temperature: 23.5 °C
 Cust. I.D. #: n/a Barometric Pressure: 1009.3 mbar
 Job Number: 11521 Date: Jan. 27, 1998
 Test Gage(s): 183, 468 Technician: 25 14 *Butler*

Pressure (psi)	Reading 1st Cycle	Pressure (psi)	Reading 2nd Cycle	Average Pressure	Average Reading	Change	Linearity (%FS)	Polynomial Fit (%FS)
0	9095	0	9097	0	9096			0.02
20	8409	20	8409	20	8409	687	0.09	-0.07
40	7718	40	7711	40	7715	695	0.11	-0.01
60	7011	60	7012	60	7012	703	0.12	0.22
80	6327	80	6334	80	6331	681	0.28	-0.25
100	5615	100	5622	100	5619	712	0.21	0.08

Linear Gage Factor (G): 0.028775 (psi/digit)
Polynomial Gage Factors: A: -7.63E-08 B: -0.027653 C:* 257.9
Thermal Factor (K): -0.04126 (psi/°C)

Calculated Pressures: Linear, $P = G(R_0 - R_1) + K(T_1 - T_0) - (S_1 - S_0)**$
 Polynomial, $P = AR_1^2 + BR_1 + C + K(T_1 - T_0) - (S_1 - S_0)**$
 **Barometric compensation is not required with vented transducers.

Factory Zero Reading: 9092 23.1 999.0 Feb. 3, 1998
 GK-401 Pos. B or F(R₀): _____ Temp(T₀): _____ °C Baro(S₀): _____ mbar Date: _____

*The user is advised to establish zero conditions in the field by recording the reading at a known temperature and barometric pressure.

Wiring Code: Red and Black: Gage White and Green: Thermistor Bare: Shield

The above named instrument has been calibrated by comparison with standards traceable to the NIST, in compliance with ANSI Z540-1.

CALIBRATION DATA SHEET

Vibrating Wire Pressure Transducer Calibration

Customer: MOUNT POLLEY MINING CORP.
Model: 4500S-0100
Serial Number: 43676
Range: 100 PSI
Temperature: 23.5 °C
Barometric Pressure: 1009.30 millibars
Cable Length: 75 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Thermistor type: 3 Kohms

Applied Pressure (psi)	Applied Pressure (psi)	Applied Pressure (psi)	Average Pressure (psi)	Average Pressure (psi)	Calculated pressure (psi)	F.S. Error (%)
	First Reading		Second Reading		Average Reading	
0.0	9264	0.0	9263	0.0	9264	0.15
20.0	8371	20.0	8376	20.0	8374	-0.08
40.0	7478	40.0	7471	40.0	7475	-0.11
60.0	6575	60.0	6574	60.0	6575	-0.12
80.0	5658	80.0	5663	80.0	5661	0.18
100.0	4770	100.0	4767	100.0	4769	-0.01
Max. error (%):						0.18

Calibration factor: C.F. = 0.0222121 psi / Digit
Temperature correction factor: Tk = -0.02679 psi / °C rise

Pressure is calculated with the following equation:
 $P(\text{psi}) = C.F. \times (L_i - L_c) + T_k (T_i - T_c) - (B_i - B_c)$

FACTORY ZERO READINGS:

VW2104	TEMP.	°C BARO
Pos. B (Li)	(Tc)	(Bc)
9263	21	1015.9

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure, millibars

NIST Traceability
 MLL-STD-45662A
 Doc.: ELL0063V

Calibrated by: _____

Date: _____

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5341
 Mfg Number: 06-16312
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8615	0.0	8616	0.0	8616	0.2	0.04	-0.02	
70.0	7945	70.0	7945	70.0	7945	70.1	0.02	0.04	
140.0	7277	140.0	7277	140.0	7277	139.8	-0.07	-0.02	
210.0	6605	210.0	6605	210.0	6605	209.8	-0.04	0.00	
280.0	5933	280.0	5933	280.0	5933	279.9	-0.02	-0.01	
350.0	5259	350.0	5259	350.0	5259	350.2	0.07	0.01	
Max. Error (%):								0.07	0.04

Linear Calibration Factor: C.F.= 0.10430 kPa/B unit
 Regression Zero: At Calibration Bi = 8617.0 B unit
 Temperature Correction Factor: Tk = -0.1004 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.3846E-07 B: -0.10238 C: 892.25

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$

Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8599</u>	<u>24.9</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8601</u>	<u>21.8</u>	<u>1014.6</u>

L_i, L_c = initial (at installation) and current readings

T_i, T_c = initial (at installation) and current temperature, in °C

B_i, B_c = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5342
Mfg Number: 06-16313
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8515	0.0	8516	0.0	8516	0.0	-0.01	-0.01	
70.0	7789	70.0	7788	70.0	7789	70.1	0.03	0.03	
140.0	7064	140.0	7067	140.0	7066	139.8	-0.04	-0.04	
210.0	6338	210.0	6337	210.0	6338	210.1	0.02	0.02	
280.0	5613	280.0	5612	280.0	5613	280.0	0.00	0.00	
350.0	4887	350.0	4887	350.0	4887	350.0	0.00	0.00	
Max. Error (%):								0.04	0.04

Linear Calibration Factor: C.F.= 0.096462 kPa/B unit
Regression Zero: At Calibration Bi = 8515.3 B unit
Temperature Correction Factor: Tk = -0.0551 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -1.5970E-09 **B:** -0.096441 **C:** 821.33

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8493</u>	<u>25.6</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8496</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5343
Mfg Number: 06-16314
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8924	0.0	8925	0.0	8925	0.2	0.06	0.02	
70.0	8184	70.0	8183	70.0	8184	69.9	-0.04	-0.03	
140.0	7439	140.0	7438	140.0	7439	139.9	-0.03	0.00	
210.0	6693	210.0	6693	210.0	6693	210.0	-0.01	0.02	
280.0	5949	280.0	5948	280.0	5949	280.0	-0.01	0.00	
350.0	5203	350.0	5202	350.0	5203	350.1	0.03	-0.01	
Max. Error (%):								0.06	0.03

Linear Calibration Factor: C.F.= 0.094012 kPa/B unit
Regression Zero: At Calibration Bi = 8926.5 B unit
Temperature Correction Factor: Tk = -0.1398 kPa/°C rise

Polynomial Gage Factors (kPa) A: -6.9609E-08 B: -0.093029 C: 835.84

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8906</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8911</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Calibration Record

200 - 2050 Hartley Ave., Coquitlam, British Columbia, Canada V3K 6W5
 Tel: 604.540.1100 • Fax: 604.540.1005 • Toll Free: 1.800.665.5599 (North America only)
 e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5344
 Mfg Number: 06-16315
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8552	0.0	8553	0.0	8553	0.0	-0.01	-0.02
70.0	7859	70.0	7859	70.0	7859	70.1	0.04	0.04
140.0	7169	140.0	7169	140.0	7169	139.9	-0.02	-0.01
210.0	6477	210.0	6477	210.0	6477	209.9	-0.02	-0.01
280.0	5785	280.0	5785	280.0	5785	280.0	-0.01	-0.01
350.0	5092	350.0	5092	350.0	5092	350.1	0.02	0.01
Max. Error (%):							0.04	0.04

Linear Calibration Factor: C.F. = 0.10117 kPa/B unit
 Regression Zero: At Calibration Bi = 8552.2 B unit
 Temperature Correction Factor: Tk = -0.0672 kPa/°C rise

Polynomial Gage Factors (kPa) A: -2.0702E-08 B: -0.10089 C: 864.29

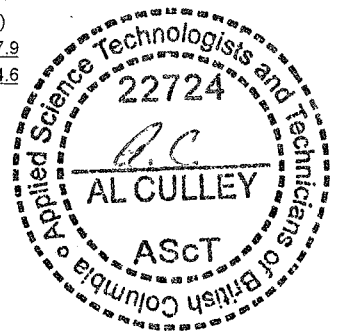
Pressure is calculated with the following equations:
 Linear, P(kPa) = C.F. X (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]
 Polynomial: P(kPa) = A(Lc)² + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8533</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8538</u>	<u>21.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06



This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5345
Mfg Number: 06-16316
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8968	0.0	8969	0.0	8969	-0.1	-0.02	0.00	
70.0	8250	70.0	8250	70.0	8250	70.0	0.01	0.01	
140.0	7534	140.0	7534	140.0	7534	139.9	-0.02	-0.04	
210.0	6814	210.0	6814	210.0	6814	210.2	0.05	0.03	
280.0	6098	280.0	6098	280.0	6098	280.0	0.01	0.01	
350.0	5382	350.0	5382	350.0	5382	349.9	-0.03	-0.01	
Max. Error (%):								0.05	0.04

Linear Calibration Factor: C.F. = 0.097576 kPa/B unit
Regression Zero: At Calibration Bi = 8967.9 B unit
Temperature Correction Factor: Tk = -0.1050 kPa/°C rise

Polynomial Gage Factors (kPa) A: 4.2327E-08 B: -0.098184 C: 877.17

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8948</u>	<u>26.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8952</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings

Ti, Tc = initial (at installation) and current temperature, in °C

Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5346
Mfg Number: 06-16317
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8723	0.0	8723	0.0	8723	0.1	0.03	0.00	
70.0	8050	70.0	8050	70.0	8050	70.1	0.01	0.02	
140.0	7379	140.0	7379	140.0	7379	139.8	-0.06	-0.03	
210.0	6704	210.0	6704	210.0	6704	210.0	-0.01	0.02	
280.0	6031	280.0	6030	280.0	6031	280.0	0.00	0.00	
350.0	5356	350.0	5356	350.0	5356	350.1	0.03	0.00	
Max. Error (%):								0.06	0.03

Linear Calibration Factor: C.F. = 0.10395 kPa/B unit
Regression Zero: At Calibration Bi = 8723.9 B unit
Temperature Correction Factor: Tk = -0.0790 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -7.1618E-08 **B:** -0.10294 **C:** 903.41

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - \{Tk (Ti - Tc)\} + \{0.10 (Bi - Bc)\}$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + B Lc + C + Tk(Tc - Ti) - \{0.10(Bc - Bi)\}$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8704</u>	<u>25.7</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8707</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5347
 Mfg Number: 06-16318
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8714	0.0	8715	0.0	8715	0.3	0.10	-0.01
70.0	8027	70.0	8026	70.0	8027	70.0	0.00	0.02
140.0	7338	140.0	7339	140.0	7339	139.7	-0.09	-0.01
210.0	6649	210.0	6649	210.0	6649	209.5	-0.14	-0.05
280.0	5952	280.0	5951	280.0	5952	280.2	0.04	0.07
350.0	5259	350.0	5259	350.0	5259	350.3	0.08	-0.02
Max. Error (%):							0.14	0.07

Linear Calibration Factor: C.F. = 0.10127 kPa/B unit
 Regression Zero: At Calibration Bi = 8717.8 B unit
 Temperature Correction Factor: Tk = -0.0467 kPa/°C rise

Polynomial Gage Factors (kPa) A: -2.2917E-07 B: -0.098070 C: 872.01

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8695</u>	<u>25.5</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8700</u>	<u>22.0</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5348
Mfg Number: 06-16319
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8966	0.0	8966	0.0	8966	0.3	0.08	0.02	
70.0	8250	70.0	8250	70.0	8250	69.9	-0.02	-0.01	
140.0	7533	140.0	7533	140.0	7533	139.6	-0.10	-0.05	
210.0	6811	210.0	6810	210.0	6811	209.9	-0.02	0.03	
280.0	6089	280.0	6088	280.0	6089	280.1	0.04	0.05	
350.0	5369	350.0	5369	350.0	5369	350.1	0.03	-0.03	
Max. Error (%):								0.10	0.05

Linear Calibration Factor: C.F.= 0.097253 kPa/B unit
Regression Zero: At Calibration BI = 8968.9 B unit
Temperature Correction Factor: Tk = -0.0064 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.2578E-07 B: -0.095450 C: 865.98

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8947</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8950</u>	<u>21.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Calibration Record

200 - 2050 Hartley Ave., Coquitlam, British Columbia, Canada V3K 6W5
 Tel: 604.540.1100 • Fax: 604.540.1005 • Toll Free: 1.800.665.5599 (North America only)
 e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5349
 Mfg Number: 06-16320
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8604	0.0	8604	0.0	8604	0.1	0.04	0.01
70.0	7931	70.0	7931	70.0	7931	70.0	0.01	0.01
140.0	7260	140.0	7259	140.0	7260	139.7	-0.08	-0.05
210.0	6584	210.0	6583	210.0	6584	209.9	-0.02	0.01
280.0	5907	280.0	5907	280.0	5907	280.2	0.04	0.05
350.0	5234	350.0	5234	350.0	5234	350.0	0.01	-0.03
Max. Error (%):							0.08	0.05

Linear Calibration Factor: C.F. = 0.10382 kPa/B unit
 Regression Zero: At Calibration Bi = 8605.4 B unit
 Temperature Correction Factor: Tk = -0.0475 kPa/°C rise

Polynomial Gage Factors (kPa) A: -8.1658E-08 B: -0.10269 C: 889.63

Pressure is calculated with the following equations:
 Linear, P(kPa) = C.F. X (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]
 Polynomial: P(kPa) = A(Lc)² + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]

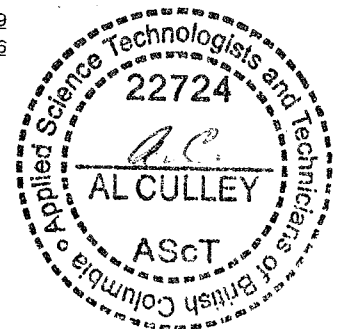
	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8584</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8589</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5350
 Mfg Number: 06-16321
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8766	0.0	8767	0.0	8767	0.3	0.09	0.02	
70.0	8055	70.0	8055	70.0	8055	69.8	-0.06	-0.05	
140.0	7337	140.0	7337	140.0	7337	139.9	-0.04	0.02	
210.0	6620	210.0	6620	210.0	6620	209.9	-0.04	0.02	
280.0	5902	280.0	5902	280.0	5902	279.9	-0.02	0.00	
350.0	5182	350.0	5182	350.0	5182	350.2	0.06	-0.01	
Max. Error (%):								0.09	0.05

Linear Calibration Factor: C.F.= 0.097615 kPa/B unit
 Regression Zero: At Calibration Bi = 8769.8 B unit
 Temperature Correction Factor: Tk = -0.1938 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.4398E-07 B: -0.095607 C: 849.28

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$

Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8748</u>	<u>25.7</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8753</u>	<u>21.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings

Ti, Tc = initial (at installation) and current temperature, in °C

Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: **VW5351**
 Mfg Number: 06-16327
 Range: 350.0 kPa
 Date of Calibration: 8-Sep-06
 Temperature: 23.7 °C
 Barometric Pressure: 996.4 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8599	0.0	8600	0.0	8600	0.1	0.04	0.02	
70.0	7890	70.0	7891	70.0	7891	69.8	-0.05	-0.05	
140.0	7175	140.0	7176	140.0	7176	140.1	0.02	0.04	
210.0	6465	210.0	6466	210.0	6466	209.9	-0.04	-0.02	
280.0	5751	280.0	5752	280.0	5752	280.0	0.00	0.01	
350.0	5038	350.0	5039	350.0	5039	350.1	0.02	0.00	
Max. Error (%):								0.05	0.05

Linear Calibration Factor: C.F. = 0.098267 kPa/B unit
 Regression Zero: At Calibration Bi = 8601.0 B unit
 Temperature Correction Factor: Tk = -0.03958 kPa/°C rise

Polynomial Gage Factors (kPa) A: -5.5249E-08 B: -0.097514 C: 842.71

Pressure is calculated with the following equations:
 Linear, $P(kPa) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(kPa) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8584</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8586</u>	<u>21.6</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5352
 Mfg Number: 06-16328
 Range: 350.0 kPa
 Date of Calibration: 8-Sep-06
 Temperature: 23.7 °C
 Barometric Pressure: 996.4 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8054	0.0	8054	0.0	8054	0.2	0.06	0.01
70.0	7313	70.0	7314	70.0	7314	69.9	-0.02	-0.01
140.0	6571	140.0	6571	140.0	6571	139.9	-0.04	0.00
210.0	5828	210.0	5829	210.0	5829	209.8	-0.06	-0.02
280.0	5082	280.0	5082	280.0	5082	280.1	0.03	0.04
350.0	4338	350.0	4339	350.0	4339	350.1	0.03	-0.02
Max. Error (%):							0.06	0.04

Linear Calibration Factor: C.F.= 0.094178 kPa/B unit
 Regression Zero: At Calibration Bi = 8056.1 B unit
 Temperature Correction Factor: Tk = -0.04835 kPa/°C rise

Polynomial Gage Factors (kPa) A: -9.4415E-08 B: -0.093008 C: 755.24

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + BL_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8033</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8038</u>	<u>21.6</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5353
Mfg Number: 06-16329
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8840	0.0	8841	0.0	8841	0.2	0.05	0.03
70.0	8129	70.0	8130	70.0	8130	69.9	-0.04	-0.04
140.0	7415	140.0	7416	140.0	7416	139.8	-0.05	-0.03
210.0	6698	210.0	6699	210.0	6699	210.1	0.04	0.05
280.0	5985	280.0	5986	280.0	5986	280.0	0.00	0.01
350.0	5271	350.0	5272	350.0	5272	350.0	0.00	-0.02
Max. Error (%):							0.05	0.05

Linear Calibration Factor: C.F. = 0.098023 kPa/B unit
Regression Zero: At Calibration Bi = 8842.1 B unit
Temperature Correction Factor: Tk = -0.04975 kPa/°C rise

Polynomial Gage Factors (kPa) A: -3.7713E-08 B: -0.097491 C: 864.91

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8824</u>	<u>25.1</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8827</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings

Ti, Tc = initial (at installation) and current temperature, in °C

Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5354
 Mfg Number: 06-16330
 Range: 350.0 kPa
 Date of Calibration: 8-Sep-06
 Temperature: 23.7 °C
 Barometric Pressure: 996.4 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8448	0.0	8449	0.0	8449	0.2	0.06	0.02	
70.0	7705	70.0	7706	70.0	7706	69.9	-0.03	-0.02	
140.0	6960	140.0	6961	140.0	6961	139.8	-0.07	-0.03	
210.0	6211	210.0	6212	210.0	6212	210.0	0.00	0.04	
280.0	5465	280.0	5466	280.0	5466	280.0	-0.01	0.00	
350.0	4717	350.0	4718	350.0	4718	350.1	0.04	-0.01	
Max. Error (%):								0.07	0.04

Linear Calibration Factor: C.F.= 0.093783 kPa/B unit
 Regression Zero: At Calibration Bi = 8450.8 B unit
 Temperature Correction Factor: Tk = 0.02062 kPa/°C rise

Polynomial Gage Factors (kPa) A: -8.7166E-08 B: -0.092636 C: 788.91

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8437</u>	<u>25.1</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8434</u>	<u>21.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5355
Mfg Number: 06-16331
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8641	0.0	8642	0.0	8642	0.1	0.03	0.02	
70.0	7901	70.0	7903	70.0	7902	69.8	-0.05	-0.05	
140.0	7156	140.0	7156	140.0	7156	140.1	0.04	0.05	
210.0	6416	210.0	6416	210.0	6416	209.9	-0.03	-0.02	
280.0	5672	280.0	5673	280.0	5673	280.0	-0.01	0.00	
350.0	4929	350.0	4929	350.0	4929	350.1	0.02	0.00	
Max. Error (%):								0.05	0.05

Linear Calibration Factor: C.F. = 0.094263 kPa/B unit
Regression Zero: At Calibration Bi = 8642.7 B unit
Temperature Correction Factor: Tk = -0.05803 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -3.0433E-08 **B:** -0.093850 **C:** 813.33

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8626</u>	<u>24.7</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8630</u>	<u>22.0</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings

Ti, Tc = initial (at installation) and current temperature, in °C

Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5356
Mfg Number: 06-16332
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8300	0.0	8301	0.0	8301	0.1	0.03	-0.02
70.0	7618	70.0	7619	70.0	7619	70.1	0.03	0.04
140.0	6938	140.0	6939	140.0	6939	139.9	-0.03	0.01
210.0	6257	210.0	6259	210.0	6258	209.7	-0.07	-0.04
280.0	5573	280.0	5574	280.0	5574	280.0	0.00	0.01
350.0	4889	350.0	4891	350.0	4890	350.2	0.05	0.00
Max. Error (%):							0.07	0.04

Linear Calibration Factor: C.F. = 0.102648 kPa/B unit
Regression Zero: At Calibration Bi = 8301.4 B unit
Temperature Correction Factor: Tk = -0.09459 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -1.0047E-07 **B:** -0.10132 **C:** 847.88

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8280</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8282</u>	<u>21.6</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5357
 Mfg Number: 06-16333
 Range: 350.0 kPa
 Date of Calibration: 8-Sep-06
 Temperature: 23.7 °C
 Barometric Pressure: 996.4 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8714	0.0	8715	0.0	8715	0.0	0.01	0.04
70.0	7967	70.0	7968	70.0	7968	69.7	-0.07	-0.08
140.0	7212	140.0	7213	140.0	7213	140.2	0.06	0.04
210.0	6463	210.0	6464	210.0	6464	210.1	0.04	0.01
280.0	5714	280.0	5715	280.0	5715	280.0	0.01	0.01
350.0	4966	350.0	4967	350.0	4967	349.9	-0.04	-0.01
Max. Error (%):							0.07	0.08

Linear Calibration Factor: C.F. = 0.093340 kPa/B unit
 Regression Zero: At Calibration Bi = 8714.7 B unit
 Temperature Correction Factor: Tk = -0.14522 kPa/°C rise

Polynomial Gage Factors (kPa) A: 5.6524E-08 B: -0.094114 C: 815.98

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8699</u>	<u>25.1</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8708</u>	<u>21.8</u>	<u>1014.6</u>

L_i, L_c = initial (at installation) and current readings
 T_i, T_c = initial (at installation) and current temperature, in °C
 B_i, B_c = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5358
Mfg Number: 06-16334
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8673	0.0	8671	0.0	8672	0.1	0.03	0.03	
70.0	7869	70.0	7868	70.0	7869	69.7	-0.09	-0.09	
140.0	7055	140.0	7054	140.0	7055	140.2	0.06	0.06	
210.0	6249	210.0	6248	210.0	6249	210.1	0.01	0.01	
280.0	5442	280.0	5441	280.0	5442	280.0	-0.01	-0.01	
350.0	4634	350.0	4633	350.0	4634	350.0	-0.01	0.00	
Max. Error (%):								0.09	0.09

Linear Calibration Factor: C.F. = 0.086635 kPa/B unit
Regression Zero: At Calibration Bi = 8673.0 B unit
Temperature Correction Factor: Tk = -0.12646 kPa/°C rise

Polynomial Gage Factors (kPa) A: 1.3258E-08 B: -0.086811 C: 751.95

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8656</u>	<u>25.4</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8660</u>	<u>21.9</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5359
Mfg Number: 06-16335
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8846	0.0	8845	0.0	8846	-0.1	-0.02	0.02	
70.0	8115	70.0	8112	70.0	8114	69.9	-0.02	-0.02	
140.0	7380	140.0	7382	140.0	7381	140.0	0.00	-0.03	
210.0	6647	210.0	6646	210.0	6647	210.3	0.08	0.04	
280.0	5917	280.0	5917	280.0	5917	280.0	0.01	0.00	
350.0	5188	350.0	5187	350.0	5188	349.8	-0.05	-0.01	
Max. Error (%):								0.08	0.04

Linear Calibration Factor: C.F. = 0.095651 kPa/B unit
Regression Zero: At Calibration Bi = 8844.7 B unit
Temperature Correction Factor: Tk = -0.12851 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** 7.8151E-08 **B:** -0.096747 **C:** 849.73

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8827</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8832</u>	<u>21.6</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5360
Mfg Number: 06-16336
Range: 350.0 kPa
Date of Calibration: 8-Sep-06
Temperature: 23.7 °C
Barometric Pressure: 996.4 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8952	0.0	8951	0.0	8952	0.2	0.07	0.03	
70.0	8211	70.0	8211	70.0	8211	69.7	-0.08	-0.07	
140.0	7461	140.0	7461	140.0	7461	140.1	0.03	0.06	
210.0	6718	210.0	6717	210.0	6718	209.9	-0.04	-0.01	
280.0	5970	280.0	5970	280.0	5970	280.0	0.00	0.01	
350.0	5223	350.0	5223	350.0	5223	350.1	0.03	-0.01	
Max. Error (%):								0.08	0.07

Linear Calibration Factor: C.F. = 0.093837 kPa/B unit
Regression Zero: At Calibration Bi = 8953.9 B unit
Temperature Correction Factor: Tk = -0.12644 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -6.7555E-08 **B:** -0.092880 **C:** 836.93

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8937</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8942</u>	<u>21.7</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5361
Mfg Number: 06-16370
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8915	0.0	8913	0.0	8914	0.2	0.06	0.04
70.0	8221	70.0	8219	70.0	8220	69.8	-0.05	-0.05
140.0	7523	140.0	7521	140.0	7522	139.8	-0.05	-0.03
210.0	6824	210.0	6821	210.0	6823	210.0	0.00	0.02
280.0	6124	280.0	6121	280.0	6123	280.2	0.06	0.07
350.0	5428	350.0	5427	350.0	5428	349.9	-0.02	-0.04
Max. Error (%):							0.06	0.07

Linear Calibration Factor: C.F. = 0.10031 kPa/B unit
Regression Zero: At Calibration Bi = 8916.0 B unit
Temperature Correction Factor: Tk = -0.1277 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -4.7894E-08 **B:** -0.099622 **C:** 891.96

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$

Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8895</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8899</u>	<u>22.3</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings

Ti, Tc = initial (at installation) and current temperature, in °C

Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars

B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts

B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW5362
 Mfg Number: 08-16371
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8803	0.0	8800	0.0	8802	0.1	0.03	0.02
70.0	8083	70.0	8080	70.0	8082	69.8	-0.04	-0.04
140.0	7358	140.0	7356	140.0	7357	140.0	0.00	0.01
210.0	6636	210.0	6635	210.0	6636	209.9	-0.03	-0.02
280.0	5911	280.0	5908	280.0	5910	280.2	0.06	0.06
350.0	5191	350.0	5188	350.0	5190	349.9	-0.02	-0.03
Max. Error (%):							0.06	0.06

Linear Calibration Factor: C.F. = 0.096847 kPa/B unit
 Regression Zero: At Calibration Bi = 8802.7 B unit
 Temperature Correction Factor: Tk = -0.1040 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.9929E-08 B: -0.096569 C: 851.58

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = \text{C.F.} \times (\text{Li} - \text{Lc}) - [\text{Tk} (\text{Ti} - \text{Tc})] + [0.10 (\text{Bi} - \text{Bc})]$
 Polynomial: $P(\text{kPa}) = \text{A}(\text{Lc})^2 + \text{B}\text{Lc} + \text{C} + \text{Tk}(\text{Tc} - \text{Ti}) - [0.10(\text{Bc} - \text{Bi})]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8778</u>	<u>25.1</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8784</u>	<u>22.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5363
Mfg Number: 06-16372
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8681	0.0	8679	0.0	8680	0.1	0.03	0.00	
70.0	8001	70.0	7999	70.0	8000	70.0	0.01	0.01	
140.0	7322	140.0	7320	140.0	7321	139.9	-0.04	-0.02	
210.0	6640	210.0	6638	210.0	6639	210.0	0.00	0.02	
280.0	5960	280.0	5958	280.0	5959	279.9	-0.02	-0.02	
350.0	5278	350.0	5275	350.0	5277	350.1	0.03	0.00	
Max. Error (%):								0.04	0.02

Linear Calibration Factor: C.F.= 0.10284 kPa/B unit
Regression Zero: At Calibration Bi = 8680.9 B unit
Temperature Correction Factor: Tk = -0.2243 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -6.5413E-08 **B:** -0.10193 **C:** 889.68

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8660</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8666</u>	<u>21.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35
Serial Number: VW5364
Mfg Number: 06-16373
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8856	0.0	8853	0.0	8855	0.2	0.06	0.01	
70.0	8144	70.0	8141	70.0	8143	70.0	0.00	0.01	
140.0	7432	140.0	7430	140.0	7431	139.7	-0.08	-0.04	
210.0	6716	210.0	6714	210.0	6715	209.9	-0.04	0.01	
280.0	5998	280.0	5999	280.0	5999	280.1	0.02	0.03	
350.0	5285	350.0	5282	350.0	5284	350.1	0.04	-0.02	
Max. Error (%):								0.08	0.04

Linear Calibration Factor: C.F.= 0.097988 kPa/B unit
Regression Zero: At Calibration Bi = 8856.8 B unit
Temperature Correction Factor: Tk = -0.1449 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.2004E-07 B: -0.096291 C: 862.04

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8837</u>	<u>24.6</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8842</u>	<u>22.3</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35-HD
Serial Number: VW5365
Mfg Number: 06-16374
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	9124	0.0	9122	0.0	9123	-0.1	-0.04	0.02
70.0	8377	70.0	8374	70.0	8376	69.9	-0.02	-0.04
140.0	7628	140.0	7625	140.0	7627	140.1	0.03	-0.02
210.0	6879	210.0	6876	210.0	6878	210.3	0.08	0.03
280.0	6134	280.0	6131	280.0	6133	280.1	0.03	0.02
350.0	5391	350.0	5388	350.0	5390	349.7	-0.08	-0.02
Max. Error (%):							0.08	0.04

Linear Calibration Factor: C.F. = 0.093706 kPa/B unit
Regression Zero: At Calibration Bi = 9121.6 B unit
Temperature Correction Factor: Tk = -0.0823 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** 1.1548E-07 **B:** -0.095382 **C:** 860.64

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + \{0.10 (B_i - B_c)\}$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + BL_c + C + Tk(T_c - T_i) - \{0.10(B_c - B_i)\}$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>9102</u>	<u>24.7</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>9105</u>	<u>22.1</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35-HD
Serial Number: VW5366
Mfg Number: 06-16375
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8860	0.0	8859	0.0	8860	0.2	0.06	0.03	
70.0	8129	70.0	8126	70.0	8128	69.7	-0.07	-0.07	
140.0	7389	140.0	7386	140.0	7388	140.0	0.01	0.04	
210.0	6652	210.0	6650	210.0	6651	210.0	-0.01	0.02	
280.0	5916	280.0	5913	280.0	5915	279.9	-0.03	-0.02	
350.0	5177	350.0	5173	350.0	5175	350.1	0.04	0.00	
Max. Error (%):								0.07	0.07

Linear Calibration Factor: C.F. = 0.094968 kPa/B unit
Regression Zero: At Calibration Bi = 8861.9 B unit
Temperature Correction Factor: Tk = -0.1024 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -7.3211E-08 **B:** -0.093941 **C:** 838.11

Pressure is calculated with the following equations:

Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$

Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8841</u>	<u>25.4</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8848</u>	<u>22.4</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35-HD
 Serial Number: **VW5367**
 Mfg Number: 06-16376
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	9003	0.0	9001	0.0	9002	0.4	0.11	0.03	
70.0	8291	70.0	8288	70.0	8290	69.9	-0.04	-0.02	
140.0	7577	140.0	7574	140.0	7576	139.5	-0.14	-0.07	
210.0	6854	210.0	6851	210.0	6853	210.0	0.01	0.07	
280.0	6136	280.0	6134	280.0	6135	280.0	0.00	0.02	
350.0	5417	350.0	5414	350.0	5416	350.2	0.05	-0.03	
Max. Error (%):								0.14	0.07

Linear Calibration Factor: C.F.= 0.097535 kPa/B unit
 Regression Zero: At Calibration Bi = 9005.9 B unit
 Temperature Correction Factor: Tk = -0.0161 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.6569E-07 B: -0.095146 C: 870.03

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8984</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8986</u>	<u>22.2</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Calibration Record

200 - 2050 Hartley Ave., Coquitlam, British Columbia, Canada V3K 6W5
 Tel: 604.540.1100 • Fax: 604.540.1005 • Toll Free: 1.800.665.5599 (North America only)
 e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35-HD
 Serial Number: VW5368
 Mfg Number: 06-16377
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8642	0.0	8640	0.0	8641	0.5	0.13	0.02
70.0	7936	70.0	7932	70.0	7934	69.8	-0.05	-0.02
140.0	7223	140.0	7221	140.0	7222	139.7	-0.09	0.01
210.0	6511	210.0	6509	210.0	6510	209.6	-0.13	-0.03
280.0	5792	280.0	5790	280.0	5791	280.1	0.03	0.06
350.0	5077	350.0	5074	350.0	5076	350.3	0.09	-0.03
Max. Error (%):							0.13	0.06

Linear Calibration Factor: C.F. = 0.098123 kPa/B unit
 Regression Zero: At Calibration Bi = 8645.7 B unit
 Temperature Correction Factor: Tk = -0.0360 kPa/°C rise

Polynomial Gage Factors (kPa) A: -2.4283E-07 B: -0.094792 C: 837.28

Pressure is calculated with the following equations:
 Linear, P(kPa) = C.F. X (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]
 Polynomial: P(kPa) = A(Lc)² + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]

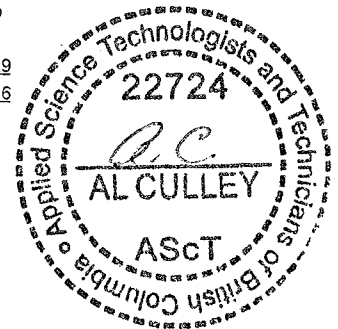
	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8623</u>	<u>25.1</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8620</u>	<u>22.7</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang *JHR*

Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35-HD
 Serial Number: VW5369
 Mfg Number: 06-16378
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	9089	0.0	9084	0.0	9087	0.3	0.09	0.04
70.0	8364	70.0	8361	70.0	8363	69.8	-0.06	-0.05
140.0	7636	140.0	7633	140.0	7635	139.7	-0.10	-0.05
210.0	6902	210.0	6899	210.0	6901	210.1	0.03	0.07
280.0	6173	280.0	6171	280.0	6172	280.0	0.00	0.01
350.0	5443	350.0	5440	350.0	5442	350.1	0.03	-0.03
Max. Error (%):							0.10	0.07

Linear Calibration Factor: C.F. = 0.095963 kPa/B unit
 Regression Zero: At Calibration Bi = 9089.9 B unit
 Temperature Correction Factor: Tk = -0.0743 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.1105E-07 B: -0.094350 C: 866.61

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + B Lc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>9071</u>	<u>25.0</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>9077</u>	<u>22.7</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35-HD
Serial Number: VW5370
Mfg Number: 06-16379
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8914	0.0	8912	0.0	8913	-0.1	-0.02	-0.03
70.0	8236	70.0	8234	70.0	8235	70.2	0.07	0.07
140.0	7566	140.0	7563	140.0	7565	139.8	-0.07	-0.06
210.0	6887	210.0	6885	210.0	6886	210.1	0.03	0.04
280.0	6214	280.0	6212	280.0	6213	279.9	-0.03	-0.03
350.0	5537	350.0	5535	350.0	5536	350.1	0.02	0.01
Max. Error (%):							0.07	0.07

Linear Calibration Factor: C.F.= 0.10368 kPa/B unit
Regression Zero: At Calibration Bi = 8912.4 B unit
Temperature Correction Factor: Tk = -0.0265 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -2.0140E-08 **B:** -0.10339 **C:** 923.05

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]$
 Polynomial: $P(\text{kPa}) = A(Lc)^2 + BLc + C + Tk(Tc - Ti) - [0.10(Bc - Bi)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8893</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8895</u>	<u>22.5</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35-HD
 Serial Number: VW5371
 Mfg Number: 06-16380
 Range: 350.0 kPa
 Date of Calibration: 6-Sep-06
 Temperature: 23.8 °C
 Barometric Pressure: 992.1 millibars
 W.O. Number: Q07192
 Cable Length: 80 meters
 Cable Colour Code: red / black (coil) green / white (thermistor)
 Cable Insulation: Polyurethane
 Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)
0.0	8874	0.0	8871	0.0	8873	0.3	0.09	0.01
70.0	8238	70.0	8235	70.0	8237	69.8	-0.04	-0.03
140.0	7598	140.0	7595	140.0	7597	139.8	-0.06	0.01
210.0	6957	210.0	6955	210.0	6956	209.8	-0.06	0.01
280.0	6315	280.0	6313	280.0	6314	280.0	-0.01	0.01
350.0	5672	350.0	5670	350.0	5671	350.3	0.07	-0.01
Max. Error (%):							0.09	0.03

Linear Calibration Factor: C.F. = 0.10930 kPa/B unit
 Regression Zero: At Calibration Bi = 8875.5 B unit
 Temperature Correction Factor: Tk = -0.1378 kPa/°C rise

Polynomial Gage Factors (kPa) A: -2.0458E-07 B: -0.10632 C: 959.51

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8857</u>	<u>25.8</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8862</u>	<u>22.8</u>	<u>1014.6</u>

L_i, L_c = initial (at installation) and current readings
 T_i, T_c = initial (at installation) and current temperature, in °C
 B_i, B_c = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35-HD
Serial Number: VW5372
Mfg Number: 06-16381
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8546	0.0	8545	0.0	8546	0.1	0.02	-0.01	
70.0	7828	70.0	7825	70.0	7827	70.1	0.02	0.02	
140.0	7110	140.0	7107	140.0	7109	139.9	-0.01	0.01	
210.0	6392	210.0	6390	210.0	6391	209.8	-0.06	-0.03	
280.0	5671	280.0	5668	280.0	5670	280.0	0.01	0.01	
350.0	4951	350.0	4948	350.0	4950	350.1	0.03	0.00	
Max. Error (%):								0.06	0.03

Linear Calibration Factor: C.F. = 0.097344 kPa/B unit
Regression Zero: At Calibration Bi = 8546.2 B unit
Temperature Correction Factor: Tk = 0.0233 kPa/°C rise

Polynomial Gage Factors (kPa) **A:** -6.3864E-08 **B:** -0.096482 **C:** 829.11

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8532</u>	<u>25.3</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8534</u>	<u>22.8</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
Model: VW2100-0.35-HD
Serial Number: VW5373
Mfg Number: 06-16382
Range: 350.0 kPa
Date of Calibration: 6-Sep-06
Temperature: 23.8 °C
Barometric Pressure: 992.1 millibars
W.O. Number: Q07192
Cable Length: 80 meters
Cable Colour Code: red / black (coil) green / white (thermistor)
Cable Insulation: Polyurethane
Thermistor type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8666	0.0	8664	0.0	8665	0.1	0.02	-0.01	
70.0	7955	70.0	7953	70.0	7954	70.2	0.04	0.05	
140.0	7250	140.0	7247	140.0	7249	139.7	-0.09	-0.06	
210.0	6538	210.0	6534	210.0	6536	209.9	-0.02	0.00	
280.0	5825	280.0	5823	280.0	5824	280.1	0.04	0.04	
350.0	5116	350.0	5114	350.0	5115	350.0	0.01	-0.02	
Max. Error (%):								0.09	0.06

Linear Calibration Factor: C.F.= 0.098581 kPa/B unit
Regression Zero: At Calibration Bi = 8665.6 B unit
Temperature Correction Factor: Tk = -0.0458 kPa/°C rise

Polynomial Gage Factors (kPa) A: -5.5823E-08 B: -0.097812 C: 851.70

Pressure is calculated with the following equations:
 Linear, $P(\text{kPa}) = C.F. \times (L_i - L_c) - [Tk (T_i - T_c)] + [0.10 (B_i - B_c)]$
 Polynomial: $P(\text{kPa}) = A(L_c)^2 + B L_c + C + Tk(T_c - T_i) - [0.10(B_c - B_i)]$

	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	11-Sep-06	<u>8650</u>	<u>25.2</u>	<u>1007.9</u>
Shipped Zero Readings:	21-Sep-06	<u>8654</u>	<u>22.7</u>	<u>1014.6</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: R.Huang Date: 21-Sep-06

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



Calibration Record

200 - 2050 Hartley Ave., Coquitlam, British Columbia, Canada V3K 6W5
 Tel: 604.540.1100 • Fax: 604.540.1005 • Toll Free: 1.800.665.5599 (North America only)
 e-mail: info@rstinstruments.com • Website: www.rstinstruments.com

Vibrating Wire Pressure Transducer

Customer: MOUNT POLLEY MINING CORP.
 Model: VW2100-0.35
 Serial Number: VW9474
 Mfg Number: 08-11735
 Range: 350.0 kPa
 Date of Calibration: 25-Jun-08
 Temperature: 24.1 °C
 Barometric Pressure: 998.5 millibars
 W.O. Number: Q011637
 Cable Length: 80 meters
 Cable Colour Code: Red / Black (Coil) Green / White (Thermistor)
 Cable Type: EL380004
 Thermistor Type: 3 Kohms

Applied Pressure (kPa)	First Reading (B units)	Applied Pressure (kPa)	Second Reading (B units)	Average Pressure (kPa)	Average Readings (B units)	Calculated Linear (kPa)	Linearity F.S. Error (%)	Polynomial Fit (% FS)	
0.0	8627	0.0	8627	0.0	8627	0.3	0.09	0.01	
70.0	7900	70.0	7900	70.0	7900	69.8	-0.05	-0.04	
140.0	7166	140.0	7167	140.0	7167	140.0	-0.01	0.05	
210.0	6437	210.0	6437	210.0	6437	209.7	-0.08	-0.02	
280.0	5703	280.0	5703	280.0	5703	279.9	-0.03	-0.01	
350.0	4966	350.0	4967	350.0	4967	350.3	0.09	0.01	
Max. Error (%):								0.09	0.05

Linear Calibration Factor: C.F. = 0.09562 kPa/B unit
 Regression Zero: At Calibration Bi = 8630.2 B unit
 Temperature Correction Factor: Tk = -0.0497 kPa/°C rise

Polynomial Gage Factors (kPa) A: -1.5765E-07 B: -0.093474 C: 818.16

Pressure is calculated with the following equations:
 Linear, P(kPa) = C.F. X (Li - Lc) - [Tk (Ti - Tc)] + [0.10 (Bi - Bc)]
 Polynomial: P(kPa) = A(Lc)² + BLc + C + Tk(Tc - Ti) - 0.10(Bc - Bi)

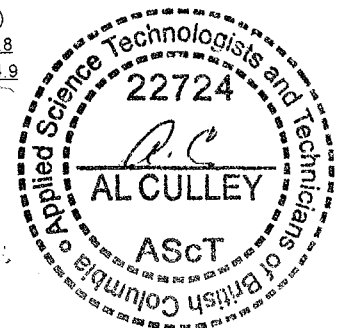
	Date (dd/mm/yr)	VW Readout Pos. B (Li)	Temp °C (Ti)	Baro (Bi)
Factory Zero Readings:	30-Jun-08	<u>8632</u>	<u>25.2</u>	<u>984.8</u>
Shipped Zero Readings:	6-Aug-08	<u>8620</u>	<u>22.1</u>	<u>1014.9</u>

Li, Lc = initial (at installation) and current readings
 Ti, Tc = initial (at installation) and current temperature, in °C
 Bi, Bc = initial (at installation) and current barometric pressure readings, in millibars
 B units = B scale output of VW 2102, VW 2104, VW 2106 and DT 2011 readouts
 B units = Hz² / 1000 ie: 1700Hz = 2890 B units

Technician: H. Chang

Date: 6-Aug-08

This instrument has been calibrated using standards traceable to the NIST in compliance with ANSI Z540-1



VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64096
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	85 MT
Note			

Conversion Factors for Serial No. 64096

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000024415	0.010739	204.34	-43.404	14.318	204.34
ft H2O	-0.000056316	0.024771	471.35	-100.12	33.028	471.35
kN/m ² (kPa)	-0.00016833	0.074042	1408.9	-299.26	98.722	1408.9
m H2O	-0.000017165	0.0075502	143.67	-30.516	10.067	143.67
bar	-0.0000016833	0.00074042	14.089	-2.9926	0.98722	14.089
kg/cm ²	-0.0000017165	0.00075502	14.367	-3.0516	1.0067	14.367

IF Factor = T

Temperature Coefficient = -0.0194 PSI/°C

RTD Offset: 0.9 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3156.23	0.02
0.0	3121.30	0.00
10.0	3049.88	-0.01
20.0	2976.58	-0.01
30.0	2901.25	-0.01
40.0	2823.98	-0.04
50.0	2744.21	-0.05
60.0	2661.68	-0.05
70.0	2575.34	0.07
80.0	2486.71	0.07
90.0	2395.03	0.01
100.0	2299.55	-0.07

Calibrated at = 20.3 °C

RTD Reading = 21.2 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64098
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	150 MT
Note			

Conversion Factors for Serial No. 64098

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000021592	0.0037594	189.86	-38.386	5.0125	189.86
ft H2O	-0.000049806	0.0086715	437.95	-88.543	11.562	437.95
kN/m ² (kPa)	-0.00014887	0.025920	1309.1	-264.66	34.560	1309.1
m H2O	-0.000015181	0.0026431	133.49	-26.988	3.5241	133.49
bar	-0.0000014887	0.00025920	13.091	-2.6466	0.34560	13.091
kg/cm ²	-0.0000015181	0.00026431	13.349	-2.6988	0.35241	13.349

IF Factor = T

Temperature Coefficient = -0.0204 PSI/°C

RTD Offset: 1.5 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3092.30	0.02
0.0	3053.75	-0.01
10.0	2974.51	0.00
20.0	2893.34	-0.02
30.0	2809.44	0.00
40.0	2723.09	-0.01
50.0	2633.71	-0.01
60.0	2541.02	0.00
70.0	2444.67	0.01
80.0	2344.26	0.01
90.0	2239.34	0.00
100.0	2129.17	-0.02

Calibrated at = 21.1 °C

RTD Reading = 22.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64099
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	175 MT
Note			

Conversion Factors for Serial No. 64099

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000024235	0.0086395	209.08	-43.084	11.519	209.08
ft H2O	-0.000055902	0.019928	482.29	-99.380	26.571	482.29
kN/m ² (kPa)	-0.00016709	0.059567	1441.6	-297.06	79.423	1441.6
m H2O	-0.000017039	0.0060742	147.00	-30.291	8.0989	147.00
bar	-0.0000016709	0.00059567	14.416	-2.9706	0.79423	14.416
kg/cm ²	-0.0000017039	0.00060742	14.700	-3.0291	0.80989	14.700

IF Factor = T

Temperature Coefficient = -0.0142 PSI/°C

RTD Offset: 1.6 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3155.48	0.03
0.0	3120.79	0.01
10.0	3050.08	-0.03
20.0	2977.53	-0.06
30.0	2902.73	-0.04
40.0	2825.72	-0.02
50.0	2746.29	0.02
60.0	2664.66	0.02
70.0	2580.32	0.01
80.0	2492.96	0.00
90.0	2402.16	-0.01
100.0	2307.50	-0.02

Calibrated at = 21.1 °C

RTD Reading = 22.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64100
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	175 MT
Note			

Conversion Factors for Serial No. 64100

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000021949	0.0039269	187.72	-39.021	5.2359	187.72
ft H2O	-0.000050629	0.0090581	433.00	-90.007	12.077	433.00
kN/m ² (kPa)	-0.00015133	0.027075	1294.3	-269.04	36.100	1294.3
m H2O	-0.000015432	0.0027609	131.98	-27.434	3.6812	131.98
bar	-0.0000015133	0.00027075	12.943	-2.6904	0.36100	12.943
kg/cm ²	-0.0000015432	0.00027609	13.198	-2.7434	0.36812	13.198

IF Factor = T

Temperature Coefficient = -0.0212 PSI/°C

RTD Offset: 1.5 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3053.42	0.07
0.0	3015.15	0.02
10.0	2936.49	-0.01
20.0	2855.69	-0.06
30.0	2772.14	-0.07
40.0	2685.83	-0.07
50.0	2596.02	-0.01
60.0	2502.58	0.08
70.0	2406.45	0.06
80.0	2306.15	0.04
90.0	2201.22	0.01
100.0	2091.40	-0.07

Calibrated at = 20.3 °C

RTD Reading = 21.8 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64101
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	175 MT
Note			

Conversion Factors for Serial No. 64101

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000020553	0.0058402	163.18	-36.539	7.7870	163.18
ft H ₂ O	-0.000047410	0.013471	376.41	-84.284	17.962	376.41
kN/m ² (kPa)	-0.00014171	0.040267	1125.1	-251.93	53.689	1125.1
m H ₂ O	-0.000014450	0.0041061	114.73	-25.690	5.4748	114.73
bar	-0.0000014171	0.00040267	11.251	-2.5193	0.53689	11.251
kg/cm ²	-0.0000014450	0.00041061	11.473	-2.5690	0.54748	11.473

IF Factor = T

Temperature Coefficient = -0.0132 PSI/°C

RTD Offset: 0.5 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3005.74	0.05
0.0	2963.23	0.02
10.0	2876.09	-0.04
20.0	2785.56	-0.03
30.0	2691.74	-0.02
40.0	2594.53	-0.02
50.0	2493.16	-0.01
60.0	2387.19	0.00
70.0	2275.50	0.05
80.0	2158.28	0.05
90.0	2034.18	0.01
100.0	1901.81	-0.05

Calibrated at = 21.1 °C

RTD Reading = 21.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64102
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	175 MT
Note			

Conversion Factors for Serial No. 64102

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000022576	0.0070141	197.00	-40.136	9.3521	197.00
ft H2O	-0.000052076	0.016179	454.42	-92.580	21.572	454.42
kN/m ² (kPa)	-0.00015566	0.048360	1358.3	-276.73	64.480	1358.3
m H2O	-0.000015873	0.0049314	138.51	-28.218	6.5752	138.51
bar	-0.0000015566	0.00048360	13.583	-2.7673	0.64480	13.583
kg/cm ²	-0.0000015873	0.00049314	13.851	-2.8218	0.65752	13.851

IF Factor = T

Temperature Coefficient = -0.0219 PSI/°C

RTD Offset: 1.5 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3150.44	0.03
0.0	3113.36	0.01
10.0	3037.84	-0.03
20.0	2959.72	0.00
30.0	2879.63	-0.01
40.0	2796.98	0.00
50.0	2711.77	0.00
60.0	2623.60	0.01
70.0	2532.17	0.01
80.0	2437.10	0.00
90.0	2337.88	0.01
100.0	2234.13	-0.01

Calibrated at = 22.8 °C

RTD Reading = 24.3 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64103
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	200 MT
Note			

Conversion Factors for Serial No. 64103

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000022633	0.0050527	200.73	-40.237	6.7369	200.73
ft H ₂ O	-0.000052207	0.011655	463.02	-92.813	15.540	463.02
kN/m ² (kPa)	-0.00015605	0.034837	1384.0	-277.42	46.449	1384.0
m H ₂ O	-0.000015913	0.0035524	141.13	-28.289	4.7365	141.13
bar	-0.0000015605	0.00034837	13.840	-2.7742	0.46449	13.840
kg/cm ²	-0.0000015913	0.00035524	14.113	-2.8289	0.47365	14.113

IF Factor = T

Temperature Coefficient = -0.0214 PSI/°C

RTD Offset: 2.3 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3128.36	0.04
0.0	3091.93	-0.02
10.0	3016.86	-0.02
20.0	2939.58	0.01
30.0	2860.42	0.00
40.0	2778.92	-0.01
50.0	2694.76	-0.01
60.0	2607.81	-0.01
70.0	2517.39	0.02
80.0	2423.57	0.04
90.0	2326.37	-0.01
100.0	2224.42	-0.02

Calibrated at = 20.3 °C

RTD Reading = 22.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64104
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	200 MT
Note			

Conversion Factors for Serial No. 64104

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000022747	0.0053882	193.36	-40.439	7.1843	193.36
ft H2O	-0.000052470	0.012429	446.03	-93.279	16.572	446.03
kN/m ² (kPa)	-0.00015684	0.037150	1333.2	-278.82	49.534	1333.2
m H2O	-0.000015993	0.0037883	135.95	-28.432	5.0511	135.95
bar	-0.0000015684	0.00037150	13.332	-2.7882	0.49534	13.332
kg/cm ²	-0.0000015993	0.00037883	13.595	-2.8432	0.50511	13.595

IF Factor = T

Temperature Coefficient = -0.0202 PSI/°C

RTD Offset: 1.9 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3073.52	0.04
0.0	3036.40	0.00
10.0	2960.46	-0.05
20.0	2882.00	-0.05
30.0	2800.85	0.01
40.0	2717.68	0.00
50.0	2631.67	0.00
60.0	2542.60	0.00
70.0	2450.17	0.00
80.0	2353.90	0.01
90.0	2253.36	0.00
100.0	2148.05	-0.02

Calibrated at = 21.1 °C

RTD Reading = 23.0 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64105
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	250 MT
Note			

Conversion Factors for Serial No. 64105

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000023991	0.0080241	196.04	-42.650	10.699	196.04
ft H2O	-0.000055338	0.018509	452.19	-98.379	24.678	452.19
kN/m ² (kPa)	-0.00016541	0.055324	1351.6	-294.06	73.766	1351.6
m H2O	-0.000016867	0.0056415	137.83	-29.986	7.5220	137.83
bar	-0.0000016541	0.00055324	13.516	-2.9406	0.73766	13.516
kg/cm ²	-0.0000016867	0.00056415	13.783	-2.9986	0.75220	13.783

IF Factor = T

Temperature Coefficient = -0.0161 PSI/°C

RTD Offset: 3.8 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3066.61	0.03
0.0	3030.59	0.01
10.0	2957.24	-0.04
20.0	2881.70	-0.06
30.0	2803.05	0.03
40.0	2723.00	0.00
50.0	2640.18	0.00
60.0	2554.40	0.00
70.0	2465.39	0.00
80.0	2372.54	0.03
90.0	2276.18	0.01
100.0	2175.27	-0.03

Calibrated at = 21.1 °C

RTD Reading = 24.9 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64106
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	275 MT
Note			

Conversion Factors for Serial No. 64106

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000024250	0.011304	197.19	-43.111	15.073	197.19
ft H2O	-0.000055936	0.026075	454.86	-99.441	34.767	454.86
kN/m ² (kPa)	-0.00016720	0.077941	1359.6	-297.24	103.92	1359.6
m H2O	-0.000017049	0.0079478	138.64	-30.310	10.597	138.64
bar	-0.0000016720	0.00077941	13.596	-2.9724	1.0392	13.596
kg/cm ²	-0.0000017049	0.00079478	13.864	-3.0310	1.0597	13.864

IF Factor = T

Temperature Coefficient = -0.0101 PSI/°C

RTD Offset: 1.6 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3129.89	0.01
0.0	3094.14	0.00
10.0	3021.41	-0.03
20.0	2946.51	-0.04
30.0	2869.05	0.01
40.0	2789.69	0.00
50.0	2707.85	-0.01
60.0	2623.20	-0.03
70.0	2535.18	-0.01
80.0	2443.35	0.04
90.0	2348.31	0.01
100.0	2248.91	-0.04

Calibrated at = 21.4 °C

RTD Reading = 23.0 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64107
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	300 MT
Note			

Conversion Factors for Serial No. 64107

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000021470	0.0067111	186.11	-38.168	8.9482	186.11
ft H2O	-0.000049523	0.015480	429.29	-88.041	20.640	429.29
kN/m ² (kPa)	-0.00014803	0.046272	1283.2	-263.16	61.696	1283.2
m H2O	-0.000015095	0.0047184	130.85	-26.835	6.2912	130.85
bar	-0.0000014803	0.00046272	12.832	-2.6316	0.61696	12.832
kg/cm ²	-0.0000015095	0.00047184	13.085	-2.6835	0.62912	13.085

IF Factor = T

Temperature Coefficient = -0.0132 PSI/°C

RTD Offset: 1.7 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3143.69	0.02
0.0	3104.74	-0.01
10.0	3024.68	-0.01
20.0	2942.71	-0.06
30.0	2857.02	0.03
40.0	2769.64	0.00
50.0	2679.04	-0.01
60.0	2584.97	-0.01
70.0	2487.02	0.00
80.0	2384.89	0.00
90.0	2277.76	0.01
100.0	2165.22	-0.01

Calibrated at = 21.4 °C

RTD Reading = 23.1 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64108
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	300 MT
Note			

Conversion Factors for Serial No. 64108

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00022266	0.0065572	190.51	-39.584	8.7429	190.51
ft H2O	-0.000051360	0.015125	439.44	-91.306	20.167	439.44
kN/m ² (kPa)	-0.00015352	0.045210	1313.5	-272.92	60.280	1313.5
m H2O	-0.000015654	0.0046102	133.94	-27.830	6.1469	133.94
bar	-0.0000015352	0.00045210	13.135	-2.7292	0.60280	13.135
kg/cm ²	-0.0000015654	0.00046102	13.394	-2.7830	0.61469	13.394

IF Factor = T

Temperature Coefficient = -0.0142 PSI/°C

RTD Offset: 2.9 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3113.86	0.03
0.0	3075.83	0.03
10.0	2998.47	-0.02
20.0	2918.75	-0.04
30.0	2836.52	-0.04
40.0	2751.39	0.00
50.0	2663.73	-0.01
60.0	2572.58	0.02
70.0	2477.88	0.05
80.0	2379.60	0.03
90.0	2276.84	0.01
100.0	2169.25	-0.04

Calibrated at = 21.1 °C

RTD Reading = 24.0 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64109
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64109

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000023486	0.010415	195.85	-41.752	13.886	195.85
ft H2O	-0.000054173	0.024023	451.77	-96.308	32.030	451.77
kN/m ² (kPa)	-0.00016193	0.071806	1350.4	-287.87	95.741	1350.4
m H2O	-0.000016512	0.0073222	137.70	-29.355	9.7629	137.70
bar	-0.0000016193	0.00071806	13.504	-2.8787	0.95741	13.504
kg/cm ²	-0.0000016512	0.00073222	13.770	-2.9355	0.97629	13.770

IF Factor = T

Temperature Coefficient = -0.0213 PSI/°C

RTD Offset: 3.3 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3154.25	0.03
0.0	3117.95	0.00
10.0	3043.71	-0.03
20.0	2967.41	-0.05
30.0	2888.55	-0.03
40.0	2807.39	-0.01
50.0	2723.50	0.01
60.0	2636.87	0.01
70.0	2547.03	0.01
80.0	2453.61	0.01
90.0	2356.27	0.00
100.0	2254.35	-0.03

Calibrated at = 21.4 °C

RTD Reading = 24.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64110
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64110

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000021449	0.0071626	182.06	-38.132	9.5501	182.06
ft H2O	-0.000049477	0.016522	419.95	-87.958	22.029	419.95
kN/m ² (kPa)	-0.00014789	0.049384	1255.3	-262.91	65.846	1255.3
m H2O	-0.000015080	0.0050358	128.00	-26.810	6.7144	128.00
bar	-0.0000014789	0.00049384	12.553	-2.6291	0.65846	12.553
kg/cm ²	-0.0000015080	0.00050358	12.800	-2.6810	0.67144	12.800

IF Factor = T

Temperature Coefficient = -0.0120 PSI/°C

RTD Offset: 3.3 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3124.54	0.04
0.0	3085.09	0.01
10.0	3004.18	0.00
20.0	2921.22	-0.05
30.0	2834.76	0.00
40.0	2745.98	-0.01
50.0	2653.93	0.00
60.0	2558.27	0.01
70.0	2458.40	0.04
80.0	2354.32	0.03
90.0	2245.43	0.00
100.0	2130.35	-0.03

Calibrated at = 21.4 °C

RTD Reading = 24.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64111
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64111

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000022820	0.0091226	188.67	-40.569	12.163	188.67
ft H2O	-0.000052639	0.021043	435.20	-93.580	28.057	435.20
kN/m ² (kPa)	-0.00015734	0.062898	1300.9	-279.72	83.864	1300.9
m H2O	-0.000016044	0.0064138	132.65	-28.523	8.5518	132.65
bar	-0.0000015734	0.00062898	13.009	-2.7972	0.83864	13.009
kg/cm ²	-0.0000016044	0.00064138	13.265	-2.8523	0.85518	13.265

IF Factor = T

Temperature Coefficient = -0.0160 PSI/°C

RTD Offset: 3.2 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3119.56	0.05
0.0	3082.06	0.02
10.0	3005.29	-0.02
20.0	2926.53	-0.08
30.0	2844.84	-0.06
40.0	2759.81	0.04
50.0	2672.94	0.01
60.0	2582.60	0.02
70.0	2488.84	0.02
80.0	2391.05	0.02
90.0	2288.90	0.00
100.0	2181.51	-0.03

Calibrated at = 21.4 °C

RTD Reading = 24.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	64112
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	26-Jun-96	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64112

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00022200	0.0058358	194.42	-39.467	7.7810	194.42
ft H2O	-0.000051209	0.013461	448.46	-91.038	17.948	448.46
kN/m ² (kPa)	-0.00015307	0.040236	1340.5	-272.12	53.648	1340.5
m H2O	-0.000015608	0.0041029	136.69	-27.748	5.4706	136.69
bar	-0.0000015307	0.00040236	13.405	-2.7212	0.53648	13.405
kg/cm ²	-0.0000015608	0.00041029	13.669	-2.7748	0.54706	13.669

IF Factor = T

Temperature Coefficient = -0.0096 PSI/°C

TempOffset: 3.3 °C

Test Data

Referenced To Standard Atmosphere*

<u>PSI</u>	<u>Frequency</u>	<u>% FS Error</u>
-5.0	3131.04	0.06
0.0	3093.58	0.01
10.0	3016.96	-0.04
20.0	2938.04	-0.07
30.0	2855.91	0.02
40.0	2772.04	0.01
50.0	2685.39	0.00
60.0	2595.50	0.01
70.0	2502.22	0.03
80.0	2405.39	0.01
90.0	2303.93	0.03
100.0	2198.31	-0.03

Calibrated at = 21.4 °C

RTD Reading = 24.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	64113
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	26-Jun-96	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64113

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000023807	0.011389	186.48	-42.324	15.186	186.48
ft H2O	-0.000054915	0.026271	430.15	-97.626	35.028	430.15
kN/m ² (kPa)	-0.00016414	0.078526	1285.7	-291.81	104.70	1285.7
m H2O	-0.000016738	0.0080074	131.11	-29.756	10.677	131.11
bar	-0.0000016414	0.00078526	12.857	-2.9181	1.0470	12.857
kg/cm ²	-0.0000016738	0.00080074	13.111	-2.9756	1.0677	13.111

IF Factor = T

Temperature Coefficient = -0.0207 PSI/°C

TempOffset: 2.8 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3084.95	0.05
0.0	3048.03	0.02
10.0	2972.61	-0.03
20.0	2894.74	-0.04
30.0	2814.25	-0.02
40.0	2731.57	-0.05
50.0	2645.45	0.00
60.0	2556.15	0.04
70.0	2463.65	0.04
80.0	2367.32	0.02
90.0	2266.47	0.00
100.0	2160.50	-0.04

Calibrated at = 21.1 °C

RTD Reading = 23.9 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	64114
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	26-Jun-96	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64114

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00021895	0.0061633	187.64	-38.924	8.2178	187.64
ft H2O	-0.00050503	0.014217	432.83	-89.784	18.956	432.83
kN/m ² (kPa)	-0.00015096	0.042495	1293.7	-268.37	56.660	1293.7
m H2O	-0.000015393	0.0043333	131.93	-27.366	5.7777	131.93
bar	-0.0000015096	0.00042495	12.937	-2.6837	0.56660	12.937
kg/cm ²	-0.0000015393	0.00043333	13.193	-2.7366	0.57777	13.193

IF Factor = T

Temperature Coefficient = -0.0139 PSI/°C

TempOffset: 2.8 °C

Test Data

Referenced To Standard Atmosphere*

<u>PSI</u>	<u>Frequency</u>	<u>% FS Error</u>
-5.0	3110.12	0.02
0.0	3071.56	0.00
10.0	2992.86	-0.03
20.0	2911.56	-0.02
30.0	2827.73	0.00
40.0	2741.49	-0.02
50.0	2652.24	-0.03
60.0	2559.17	0.01
70.0	2462.78	0.02
80.0	2362.18	0.03
90.0	2257.21	0.00
100.0	2146.73	-0.03

Calibrated at = 21.1 °C

RTD Reading = 23.9 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64115
Cust. No.	20350	Part No.	52611030
Order No.	067789-01	Range	0-100 PSI
Date	06/26/1996	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64115

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00024016	0.010679	195.39	-42.694	14.239	195.39
ft H2O	-0.000055396	0.024633	450.70	-98.481	32.844	450.70
kN/m ² (kPa)	-0.00016558	0.073629	1347.2	-294.37	98.172	1347.2
m H2O	-0.000016885	0.0075081	137.37	-30.017	10.011	137.37
bar	-0.0000016558	0.00073629	13.472	-2.9437	0.98172	13.472
kg/cm ²	-0.0000016885	0.00075081	13.737	-3.0017	1.0011	13.737

IF Factor = T

Temperature Coefficient = -0.0133 PSI/°C

RTD Offset: 2.6 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3119.30	0.02
0.0	3083.40	-0.01
10.0	3009.92	-0.04
20.0	2933.89	0.00
30.0	2856.01	0.00
40.0	2775.77	-0.01
50.0	2692.90	-0.01
60.0	2607.22	-0.02
70.0	2518.13	0.00
80.0	2425.22	0.03
90.0	2328.91	0.00
100.0	2227.97	-0.03

Calibrated at = 21.1 °C

RTD Reading = 23.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64116
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	325 MT
Note			

Conversion Factors for Serial No. 64116

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00021654	-0.0016771	201.70	-38.496	-2.2361	201.70
ft H2O	-0.000049949	-0.0038685	465.26	-88.798	-5.1580	465.26
kN/m ² (kPa)	-0.00014930	-0.011563	1390.7	-265.42	-15.417	1390.7
m H2O	-0.000015224	-0.0011791	141.81	-27.066	-1.5721	141.81
bar	-0.0000014930	-0.00011563	13.907	-2.6542	-0.15417	13.907
kg/cm ²	-0.0000015224	-0.00011791	14.181	-2.7066	-0.15721	14.181

IF Factor = T

Temperature Coefficient = -0.0221 PSI/°C

RTD Offset: 3.2 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3050.69	0.06
0.0	3013.43	0.01
10.0	2937.11	-0.03
20.0	2858.67	-0.05
30.0	2777.66	-0.03
40.0	2694.36	-0.02
50.0	2608.32	0.01
60.0	2519.46	0.02
70.0	2427.40	0.04
80.0	2331.99	0.03
90.0	2232.67	0.01
100.0	2129.29	-0.05

Calibrated at = 21.1 °C

RTD Reading = 24.3 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64117
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	350 MT
Note			

Conversion Factors for Serial No. 64117

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00022621	0.0047541	187.11	-40.215	6.3388	187.11
ft H2O	-0.000052178	0.010966	431.59	-92.761	14.621	431.59
kN/m ² (kPa)	-0.00015596	0.032778	1290.1	-277.27	43.704	1290.1
m H2O	-0.000015904	0.0033425	131.55	-28.274	4.4566	131.55
bar	-0.0000015596	0.00032778	12.901	-2.7727	0.43704	12.901
kg/cm ²	-0.0000015904	0.00033425	13.155	-2.8274	0.44566	13.155

IF Factor = T

Temperature Coefficient = -0.0197 PSI/°C

RTD Offset: 5.7 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3020.87	0.04
0.0	2983.00	0.00
10.0	2905.20	0.00
20.0	2825.38	-0.04
30.0	2742.78	-0.03
40.0	2657.55	-0.02
50.0	2569.40	-0.01
60.0	2477.56	0.03
70.0	2382.52	0.03
80.0	2283.31	0.03
90.0	2179.50	0.02
100.0	2070.70	-0.04

Calibrated at = 20.3 °C

RTD Reading = 26.0 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64118
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	350 MT
Note			

Conversion Factors for Serial No. 64118

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00021798	0.0027265	205.19	-38.752	3.6354	205.19
ft H2O	-0.000050280	0.0062892	473.30	-89.387	8.3856	473.30
kN/m ² (kPa)	-0.00015029	0.018799	1414.7	-267.18	25.065	1414.7
m H2O	-0.000015325	0.0019170	144.26	-27.245	2.5559	144.26
bar	-0.0000015029	0.00018799	14.147	-2.6718	0.25065	14.147
kg/cm ²	-0.0000015325	0.00019170	14.426	-2.7245	0.25559	14.426

IF Factor = T

Temperature Coefficient = -0.0158 PSI/°C

RTD Offset: 4.6 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3168.21	0.03
0.0	3131.29	0.00
10.0	3055.82	-0.03
20.0	2978.14	-0.02
30.0	2898.23	-0.01
40.0	2816.21	-0.01
50.0	2731.54	0.00
60.0	2644.08	0.01
70.0	2553.53	0.02
80.0	2459.78	0.01
90.0	2362.00	0.02
100.0	2260.50	-0.03

Calibrated at = 20.3 °C

RTD Reading = 24.9 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VWP Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	64119
Cust. No.	20350	Part No.	52611030
Order No.	067789-00	Range	0-100 PSI
Date	06/20/1996	Cable	50612604
Cal. By.	AKB	Length	350 MT
Note			

Conversion Factors for Serial No. 64119

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000021235	0.0067928	180.61	-37.752	9.0571	180.61
ft H ₂ O	-0.000048983	0.015669	416.60	-87.081	20.892	416.60
kN/m ² (kPa)	-0.00014641	0.046835	1245.2	-260.29	62.446	1245.2
m H ₂ O	-0.000014930	0.0047758	126.98	-26.542	6.3677	126.98
bar	-0.0000014641	0.00046835	12.452	-2.6029	0.62446	12.452
kg/cm ²	-0.0000014930	0.00047758	12.698	-2.6542	0.63677	12.698

IF Factor = T

Temperature Coefficient = -0.0155 PSI/°C

RTD Offset: 3.4 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3120.42	0.04
0.0	3080.55	0.02
10.0	2998.99	0.00
20.0	2914.95	-0.02
30.0	2828.06	-0.02
40.0	2738.29	-0.01
50.0	2645.27	-0.01
60.0	2548.43	0.01
70.0	2447.28	0.05
80.0	2342.01	0.04
90.0	2231.56	0.02
100.0	2115.36	-0.04

Calibrated at = 20.3 °C

RTD Reading = 23.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

01-181-02

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	66520
Cust. No.	20350	Part No.	52611030
Order No.	076789-00	Range	0-100 PSI
Date	01/19/1998	Cable	50613524
Cal. By.	CM	Length	100 Meters
Note			

Conversion Factors for Serial No. 66520

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000023803	0.0042765	215.40	-42.317	5.7020	215.40
ft H2O	-0.000054907	0.0098643	496.87	-97.612	13.152	496.87
kN/m ² (kPa)	-0.00016412	0.029485	1485.2	-291.77	39.314	1485.2
m H2O	-0.000016736	0.0030067	151.44	-29.752	4.0089	151.44
bar	-0.0000016412	0.00029485	14.852	-2.9177	0.39314	14.852
kg/cm ²	-0.0000016736	0.00030067	15.144	-2.9752	0.40089	15.144

IF Factor = T

Temperature Coefficient = -0.0131 PSI/°C

RTD Offset: 0.5 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3133.75	0.05
0.0	3099.32	0.01
10.0	3029.03	-0.04
20.0	2956.78	-0.05
30.0	2882.24	-0.01
40.0	2805.75	0.02
50.0	2727.21	0.02
60.0	2646.43	0.01
70.0	2562.93	0.01
80.0	2476.56	0.00
90.0	2386.89	0.00
100.0	2293.65	-0.01

Calibrated at = 23.0 °C

RTD Reading = 23.5 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

AZ-PIE-01

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67191
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	5061604
Cal. By.	CM	Length	75 Meters
Note			

Conversion Factors for Serial No. 67191

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000028058	0.014262	227.70	-49.881	19.016	227.70
ft H2O	-0.000064720	0.032898	525.22	-115.06	43.864	525.22
kN/m ² (kPa)	-0.00019345	0.098334	1569.9	-343.92	131.11	1569.9
m H2O	-0.000019727	0.010027	160.09	-35.070	13.370	160.09
bar	-0.0000019345	0.00098334	15.699	-3.4392	1.3111	15.699
kg/cm ²	-0.0000019727	0.0010027	16.009	-3.5070	1.3370	16.009

IF Factor = T

Temperature Coefficient = -0.0301 PSI/°C

RTD Offset: 2.0 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3145.08	0.02
0.0	3114.12	0.01
10.0	3051.24	0.00
20.0	2986.89	-0.02
30.0	2920.85	-0.02
40.0	2853.18	-0.02
50.0	2783.48	0.01
60.0	2711.92	0.03
70.0	2638.34	0.02
80.0	2562.48	0.01
90.0	2484.01	0.00
100.0	2402.72	-0.01

Calibrated at = 25.2 °C

RTD Reading = 27.2 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

DE-163-02

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67192
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	50612604
Cal. By.	CM	Length	75 Meters
Note			

Conversion Factors for Serial No. 67192

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000027261	0.012373	225.99	-48.464	16.497	225.99
ft H2O	-0.000062881	0.028539	521.27	-111.79	38.052	521.27
kN/m ² (kPa)	-0.00018796	0.085306	1558.1	-334.15	113.74	1558.1
m H2O	-0.000019166	0.0086988	158.88	-34.073	11.598	158.88
bar	-0.0000018796	0.00085306	15.581	-3.3415	1.1374	15.581
kg/cm ²	-0.0000019166	0.00086988	15.888	-3.4073	1.1598	15.888

IF Factor = T

Temperature Coefficient = -0.0198 PSI/°C

RTD Offset: 2.4 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3146.66	0.00
0.0	3115.10	0.00
10.0	3050.81	0.01
20.0	2985.11	0.00
30.0	2917.77	0.01
40.0	2848.67	0.02
50.0	2777.83	0.00
60.0	2704.87	0.01
70.0	2629.82	-0.01
80.0	2552.53	-0.04
90.0	2471.46	0.06
100.0	2388.74	-0.01

Calibrated at = 23.0 °C

RTD Reading = 25.4 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

DZ-PEI-01

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67193
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	50612604
Cal. By.	CM	Length	75 Meters
Note			

Conversion Factors for Serial No. 67193

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000027625	0.012574	236.99	-49.111	16.765	236.99
ft H2O	-0.000063721	0.029003	546.65	-113.28	38.671	546.65
kN/m ² (kPa)	-0.00019047	0.086693	1634.0	-338.61	115.59	1634.0
m H2O	-0.000019422	0.0088403	166.62	-34.528	11.787	166.62
bar	-0.0000019047	0.00086693	16.340	-3.3861	1.1559	16.340
kg/cm ²	-0.0000019422	0.00088403	16.662	-3.4528	1.1787	16.662

IF Factor = T

Temperature Coefficient = -0.0103 PSI/°C

RTD Offset: 2.4 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3196.02	0.00
0.0	3165.50	-0.02
10.0	3102.98	0.02
20.0	3039.46	0.00
30.0	2974.25	0.01
40.0	2907.50	0.02
50.0	2839.15	0.01
60.0	2768.95	0.00
70.0	2696.77	-0.01
80.0	2622.44	-0.02
90.0	2545.80	-0.04
100.0	2465.67	0.05

Calibrated at = 25.2 °C

RTD Reading = 27.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

BZ-PEI-01

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67194
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	50612604
Cal. By.	CM	Length	150 Meters
Note			

Conversion Factors for Serial No. 67194

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000027273	0.0053788	246.88	-48.485	7.1717	246.88
ft H2O	-0.000062909	0.012407	569.46	-111.84	16.543	569.46
kN/m ² (kPa)	-0.00018804	0.037085	1702.1	-334.29	49.447	1702.1
m H2O	-0.000019175	0.0037817	173.57	-34.088	5.0422	173.57
bar	-0.0000018804	0.00037085	17.021	-3.3429	0.49447	17.021
kg/cm ²	-0.0000019175	0.00037817	17.357	-3.4088	0.50422	17.357

IF Factor = T

Temperature Coefficient = -0.0060 PSI/°C

RTD Offset: 3.0 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3139.20	0.00
0.0	3108.92	0.00
10.0	3047.30	0.01
20.0	2984.48	0.01
30.0	2920.30	0.00
40.0	2854.68	-0.02
50.0	2787.28	-0.01
60.0	2718.18	-0.01
70.0	2647.25	-0.01
80.0	2573.88	0.05
90.0	2498.75	0.03
100.0	2421.66	-0.04

Calibrated at = 25.8 °C

RTD Reading = 28.8 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67195
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	50612604
Cal. By.	CM	Length	150 Meters
Note			

Conversion Factors for Serial No. 67195

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000028883	0.014288	232.74	-51.347	19.050	232.74
ft H2O	-0.000066623	0.032957	536.84	-118.44	43.943	536.84
kN/m ² (kPa)	-0.00019914	0.098510	1604.7	-354.03	131.35	1604.7
m H2O	-0.000020307	0.010045	163.63	-36.101	13.394	163.63
bar	-0.0000019914	0.00098510	16.047	-3.5403	1.3135	16.047
kg/cm ²	-0.0000020307	0.0010045	16.363	-3.6101	1.3394	16.363

IF Factor = T

Temperature Coefficient = -0.0141 PSI/°C

RTD Offset: 2.7 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3126.76	0.04
0.0	3096.75	0.00
10.0	3035.41	-0.01
20.0	2972.83	-0.04
30.0	2908.20	0.01
40.0	2842.29	0.02
50.0	2774.70	0.02
60.0	2705.28	0.01
70.0	2633.83	0.01
80.0	2560.20	0.00
90.0	2484.05	0.01
100.0	2405.39	-0.01

Calibrated at = 25.2 °C

RTD Reading = 27.9 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

C2-PE1-01

VW Piezometer

Customer	SLOPE INDICATOR CANADA	Serial No.	67196
Cust. No.	20350	Part No.	52611030
Order No.	078867-00	Range	0-100 PSI
Date	06/15/1998	Cable	50612604
Cal. By.	CM	Length	200 Meters
Note			

Conversion Factors for Serial No. 67196

Referenced To Standard Atmosphere*

Units	Manual ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000030377	0.012686	257.68	-54.004	16.915	257.68
ft H2O	-0.000070070	0.029262	594.39	-124.57	39.016	594.39
kN/m ² (kPa)	-0.00020944	0.087467	1776.7	-372.34	116.62	1776.7
m H2O	-0.000021357	0.0089191	181.17	-37.968	11.892	181.17
bar	-0.0000020944	0.00087467	17.767	-3.7234	1.1662	17.767
kg/cm ²	-0.0000021357	0.00089191	18.117	-3.7968	1.1892	18.117

IF Factor = T

Temperature Coefficient = -0.0053 PSI/°C

RTD Offset: 3.3 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3156.77	0.01
0.0	3128.80	0.00
10.0	3071.93	-0.01
20.0	3013.88	-0.01
30.0	2954.57	-0.01
40.0	2893.95	-0.01
50.0	2831.90	-0.01
60.0	2768.27	0.01
70.0	2703.11	0.01
80.0	2636.25	0.01
90.0	2567.55	0.00
100.0	2496.81	-0.02

Calibrated at = 25.8 °C

RTD Reading = 29.1 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69689
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	172 Meters
Note	A0-PE1-01		

Conversion Factors for Serial No. 69689

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00018637	0.010656	148.29	-33.132	14.207	148.29
ft H2O	-0.000042989	0.024579	342.06	-76.425	32.772	342.06
kN/m ² (kPa)	-0.00012850	0.073467	1022.4	-228.44	97.956	1022.4
m H2O	-0.000013103	0.0074916	104.26	-23.294	9.9888	104.26
bar	-0.0000012850	0.00073467	10.224	-2.2844	0.97956	10.224
kg/cm ²	-0.0000013103	0.00074916	10.426	-2.3294	0.99888	10.426

IF Factor = T

Temperature Coefficient = -0.0149 PSI/°C

TempOffset: 2.8 °C

Test Data

Referenced To Standard Atmosphere*

<u>PSI</u>	<u>Frequency</u>	<u>% FS Error</u>
-5.0	3168.01	0.00
0.0	3121.18	-0.01
5.0	3073.43	-0.01
10.0	3024.89	-0.01
15.0	2975.49	-0.01
20.0	2925.14	-0.01
25.0	2873.78	0.00
30.0	2821.39	0.00
35.0	2767.93	0.00
40.0	2713.29	0.00
45.0	2657.42	-0.01
50.0	2600.18	-0.01

Calibrated at = 22.4 °C

RTD Reading = 25.2 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69690
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	175 Meters
Note	A1-PE1-04		

Conversion Factors for Serial No. 69690

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000015451	0.0033341	141.63	-27.468	4.4455	141.63
ft H2O	-0.000035640	0.0076906	326.69	-63.360	10.254	326.69
kN/m ² (kPa)	-0.00010653	0.022988	976.49	-189.39	30.650	976.49
m H2O	-0.000010863	0.0023441	99.575	-19.312	3.1255	99.575
bar	-0.0000010653	0.00022988	9.7649	-1.8939	0.30650	9.7649
kg/cm ²	-0.0000010863	0.00023441	9.9575	-1.9312	0.31255	9.9575

IF Factor = T

Temperature Coefficient = -0.0156 PSI/°C

TempOffset: 3.2 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3190.28	0.02
0.0	3137.40	0.00
5.0	3083.55	0.00
10.0	3028.67	0.00
15.0	2972.78	-0.01
20.0	2915.70	0.00
25.0	2857.42	0.00
30.0	2797.93	0.00
35.0	2737.05	0.01
40.0	2674.66	0.03
45.0	2610.96	0.01
50.0	2545.64	-0.02

Calibrated at = 22.4 °C

RTD Reading = 25.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69692
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	377 Meters
Note	B0-PE1-01		

Conversion Factors for Serial No. 69692

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000017444	-0.00038144	166.07	-31.011	-0.50859	166.07
ft H2O	-0.000040236	-0.00087986	383.06	-71.531	-1.1731	383.06
kN/m ² (kPa)	-0.00012027	-0.0026300	1145.0	-213.81	-3.5066	1145.0
m H2O	-0.000012264	-0.00026818	116.76	-21.803	-0.35758	116.76
bar	-0.0000012027	-0.000026300	11.450	-2.1381	-0.035066	11.450
kg/cm ²	-0.0000012264	-0.000026818	11.676	-2.1803	-0.035758	11.676

IF Factor = T

Temperature Coefficient = -0.0167 PSI/°C

TempOffset: 5.7 °C

Test Data

Referenced To Standard Atmosphere*

<u>PSI</u>	<u>Frequency</u>	<u>% FS Error</u>
-5.0	3120.58	0.02
0.0	3074.60	-0.01
5.0	3027.75	0.00
10.0	2980.31	-0.02
15.0	2931.98	-0.01
20.0	2882.81	0.00
25.0	2832.81	0.01
30.0	2781.88	0.02
35.0	2730.14	0.01
40.0	2677.41	0.00
45.0	2623.63	-0.01
50.0	2568.58	0.00

Calibrated at = 22.4 °C

RTD Reading = 28.1 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69693
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	272Meters
Note	B2-PE1-02		

Conversion Factors for Serial No. 69693

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000017615	-0.00065562	174.96	-31.315	-0.87415	174.96
ft H2O	-0.000040631	-0.0015123	403.57	-72.232	-2.0164	403.57
kN/m ² (kPa)	-0.00012145	-0.0045203	1206.3	-215.91	-6.0271	1206.3
m H2O	-0.000012384	-0.00046094	123.01	-22.016	-0.61459	123.01
bar	-0.0000012145	-0.000045203	12.063	-2.1591	-0.060271	12.063
kg/cm ²	-0.0000012384	-0.000046094	12.301	-2.2016	-0.061459	12.301

IF Factor = T

Temperature Coefficient = -0.0136 PSI/°C

TempOffset: 5.9 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3177.74	0.00
0.0	3133.05	0.00
5.0	3087.73	-0.01
10.0	3041.69	-0.01
15.0	2994.98	-0.02
20.0	2947.46	-0.01
25.0	2899.27	-0.02
30.0	2850.10	0.01
35.0	2800.19	0.01
40.0	2749.45	0.00
45.0	2697.70	-0.01
50.0	2644.97	-0.01

Calibrated at = 23.5 °C

RTD Reading = 29.4 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69694
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	307 Meters
Note	C0-PE1-01		

Conversion Factors for Serial No. 69694

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00016202	-0.011176	187.80	-28.804	-14.901	187.80
ft H2O	-0.00037373	-0.025779	433.18	-66.440	-34.372	433.18
kN/m ² (kPa)	-0.00011171	-0.077055	1294.8	-198.59	-102.74	1294.8
m H2O	-0.00011391	-0.0078574	132.03	-20.251	-10.477	132.03
bar	-0.000011171	-0.00077055	12.948	-1.9859	-1.0274	12.948
kg/cm ²	-0.000011391	-0.00078574	13.203	-2.0251	-1.0477	13.203

IF Factor = T

Temperature Coefficient = -0.0152 PSI/°C

TempOffset: 5.2 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3121.78	0.03
0.0	3077.09	0.00
5.0	3031.75	-0.01
10.0	2985.79	-0.02
15.0	2939.11	-0.01
20.0	2891.71	0.00
25.0	2843.66	0.01
30.0	2794.82	0.02
35.0	2745.27	0.03
40.0	2694.98	0.01
45.0	2643.84	0.01
50.0	2591.86	-0.01

Calibrated at = 22.4 °C

RTD Reading = 27.6 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69695
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	302 Meters
Note	C2-PE1-02		

Conversion Factors for Serial No. 69695

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00018613	0.0095029	152.09	-33.091	12.670	152.09
ft H2O	-0.000042935	0.021920	350.82	-76.329	29.227	350.82
kN/m ² (kPa)	-0.00012834	0.065520	1048.6	-228.15	87.360	1048.6
m H2O	-0.000013087	0.0066812	106.93	-23.265	8.9082	106.93
bar	-0.0000012834	0.00065520	10.486	-2.2815	0.87360	10.486
kg/cm ²	-0.0000013087	0.00066812	10.693	-2.3265	0.89082	10.693

IF Factor = T

Temperature Coefficient = -0.0178 PSI/°C

TempOffset: 4.7 °C

Test Data

Referenced To Standard Atmosphere*

<u>PSI</u>	<u>Frequency</u>	<u>% FS Error</u>
-5.0	3171.48	0.03
0.0	3125.15	0.01
5.0	3078.02	-0.01
10.0	3030.05	-0.01
15.0	2981.18	0.00
20.0	2931.40	0.01
25.0	2880.73	0.01
30.0	2829.03	0.01
35.0	2776.28	0.02
40.0	2722.42	0.02
45.0	2667.43	0.01
50.0	2611.20	-0.01

Calibrated at = 23.5 °C

RTD Reading = 28.2 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69696
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	131 Meters
Note	D0-PE1-01		

Conversion Factors for Serial No. 69696

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000017381	0.0058496	145.81	-30.900	7.7994	145.81
ft H2O	-0.000040093	0.013493	336.33	-71.276	17.991	336.33
kN/m ² (kPa)	-0.00011984	0.040331	1005.3	-213.05	53.775	1005.3
m H2O	-0.000012220	0.0041127	102.51	-21.725	5.4836	102.51
bar	-0.0000011984	0.00040331	10.053	-2.1305	0.53775	10.053
kg/cm ²	-0.0000012220	0.00041127	10.251	-2.1725	0.54836	10.251

IF Factor = T

Temperature Coefficient = -0.0204 PSI/°C

TempOffset: 3.2 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3118.58	0.03
0.0	3069.53	0.00
5.0	3019.54	0.00
10.0	2968.59	0.01
15.0	2916.75	0.01
20.0	2863.87	0.02
25.0	2809.98	0.02
30.0	2755.02	0.00
35.0	2698.77	0.01
40.0	2641.22	0.02
45.0	2582.36	0.02
50.0	2522.15	0.00

Calibrated at = 23.5 °C

RTD Reading = 26.7 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69697
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	134 Meters
Note	D1-PE1-03		

Conversion Factors for Serial No. 69697

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.000016175	0.0037627	145.38	-28.756	5.0169	145.38
ft H2O	-0.000037310	0.0086793	335.35	-66.329	11.572	335.35
kN/m ² (kPa)	-0.00011152	0.025943	1002.4	-198.26	34.591	1002.4
m H2O	-0.000011372	0.0026455	102.21	-20.217	3.5273	102.21
bar	-0.0000011152	0.00025943	10.024	-1.9826	0.34591	10.024
kg/cm ²	-0.0000011372	0.00026455	10.221	-2.0217	0.35273	10.221

IF Factor = T

Temperature Coefficient = -0.0110 PSI/°C

TempOffset: 3.9 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3167.59	0.01
0.0	3116.62	-0.01
5.0	3064.63	-0.01
10.0	3011.69	0.00
15.0	2957.87	-0.01
20.0	2903.00	-0.02
25.0	2847.06	-0.04
30.0	2789.67	0.00
35.0	2731.01	0.03
40.0	2671.26	0.02
45.0	2610.21	0.00
50.0	2547.62	-0.03

Calibrated at = 23.5 °C

RTD Reading = 27.4 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.

VW Piezometer Calibration Report

Customer	SLOPE INDICATOR CANADA	Serial No.	69698
Cust. No.	20350	Part No.	52611020
Order No.	92588	Range	0-50 PSI
Date	12-Nov-99	Cable	50613524
Cal. By.	CM	Length	126 Meters
Note	D2-PE1-02		

Conversion Factors for Serial No. 69698

Referenced To Standard Atmosphere*

Units	ABC Factors			IDA ABC Factors		
	A	B	C	A	B	C
psi	-0.00018837	-0.0032632	187.24	-33.488	-4.3510	187.24
ft H2O	-0.000043450	-0.0075271	431.91	-77.245	-10.036	431.91
kN/m ² (kPa)	-0.00012988	-0.022499	1291.0	-230.89	-29.999	1291.0
m H2O	-0.000013244	-0.0022943	131.65	-23.544	-3.0590	131.65
bar	-0.0000012988	-0.00022499	12.910	-2.3089	-0.29999	12.910
kg/cm ²	-0.0000013244	-0.00022943	13.165	-2.3544	-0.30590	13.165

IF Factor = T

Temperature Coefficient = -0.0141 PSI/°C

TempOffset: 2.6 °C

Test Data

Referenced To Standard Atmosphere*

PSI	Frequency	% FS Error
-5.0	3109.21	-0.01
0.0	3067.45	-0.02
5.0	3025.04	-0.01
10.0	2982.05	0.00
15.0	2938.46	0.01
20.0	2894.30	0.00
25.0	2849.47	-0.01
30.0	2803.93	-0.01
35.0	2757.64	-0.01
40.0	2710.67	-0.03
45.0	2662.84	-0.03
50.0	2613.87	0.02

Calibrated at = 23.5 °C

RTD Reading = 26.1 °C

*Standard Atmosphere = 14.696 psi, 1013 millibar.