



Certificate of Calibration

4175 SW Research Way, Corvallis, Oregon, 97333, U.S.A. Tel: 541-757-3158 Fax: 541-757-0858

CUSTOMER: Applied Research Assoc.

DATE: May 2, 2013

P.O NUMBER: VT-35605

TYPE: Analog

MODEL NO.: HX-EP-80-70334

RANGE: 80" (2.0m)

SERIAL NO.: 43050027

CIRCUIT DIAGRAM: see attached

DIMENSION DIAGRAM: Y

OPTIONS: 70334 Analog voltage output from 1K ohm potentiometer

Digital output (H1 option)—2 channel, square wave, 8 to 28 VDC

CALIBRATION DATA

AR - ANALOG - 1

TEST VOLTAGE: 9.9982 VDC

DISPLACEMENT		MEASURED	CALCULATED	ERROR
(inch)	(mm)	OUTPUT (VOLT)	OUTPUT (VOLT)	(VOLT)
0.00	0.0	0.075	0.075	0.000
20.00	508.0	2.544	2.552	-0.008
40.00	1016.0	5.028	5.029	-0.001
60.00	1524.0	7.506	7.506	0.000
80.00	2032.0	9.983	9.983	0.000

AVERAGE SENSITIVITY (POSITION):

12.38748 mV/inch/Ve ENGLISH

0.48770 mV/mm/Ve METRIC

Ve = Excitation Voltage

LINEARITY (POSITION):

±

0.08% FULL SCALE



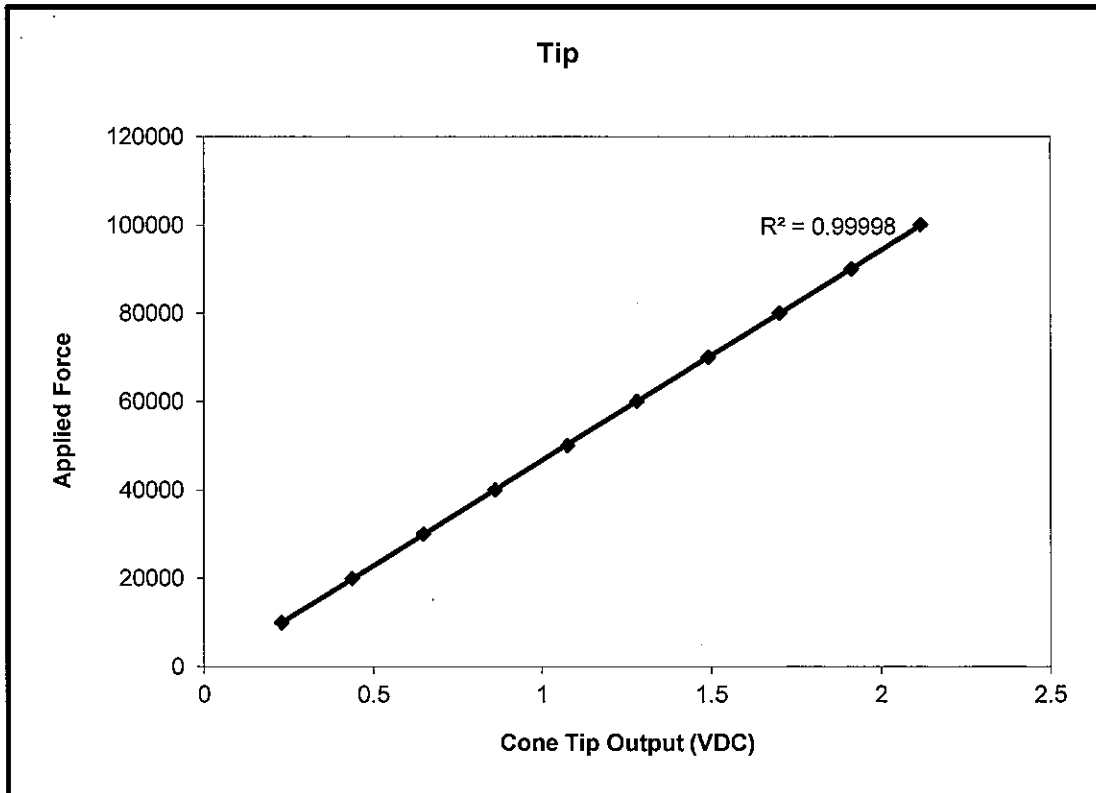


250 Beanville Road
Randolph, Vt. 05060
802-728-4588
800-639-6315

Digital Cone Penetrometer Calibration

Cone Serial Number	DDG1251	
Customer	STOCK	0
Reference Load Cell	INTERFACE 1221ANE-50K-B	SN 322089A
Reference Press. Gauge	DRESSER D XD 1000PSIG S/N	3432

TIP
Full range V 2.101
Baseline V 0.01956
Full Scale Force 100000 KPA
Output Units KPA
Unit Conv. Factor 1



Calibrated By:
L Smith

Signed: 

Approved by:
R Hull

Signed: 

Date

6/20/2013



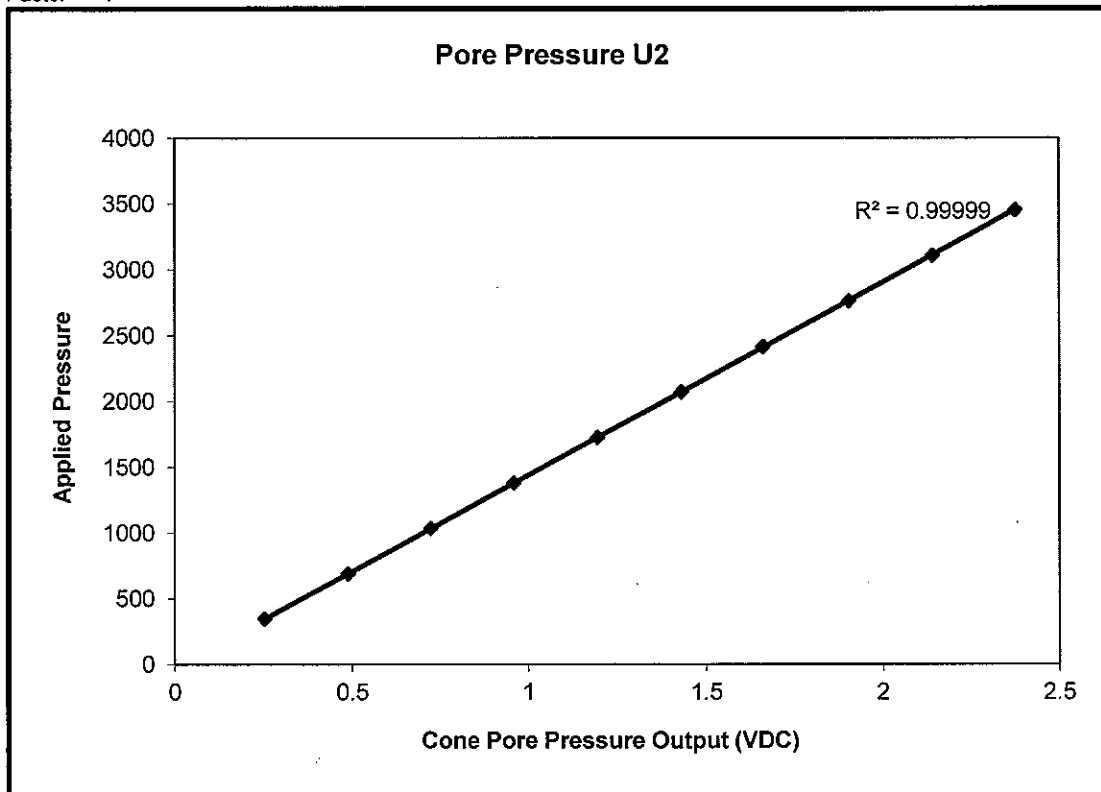
250 Beanville Road
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Digital Cone Penetrometer Calibration

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Reference Press. Gauge	DRESSER D XD 1000PSIG S/N	3432

PRESSURE U2

Full range V 2.3556
Baseline V 0.01616
Full Scale Force 3447.5 KPA
Output Units PSI
Unit Conv. Factor 1



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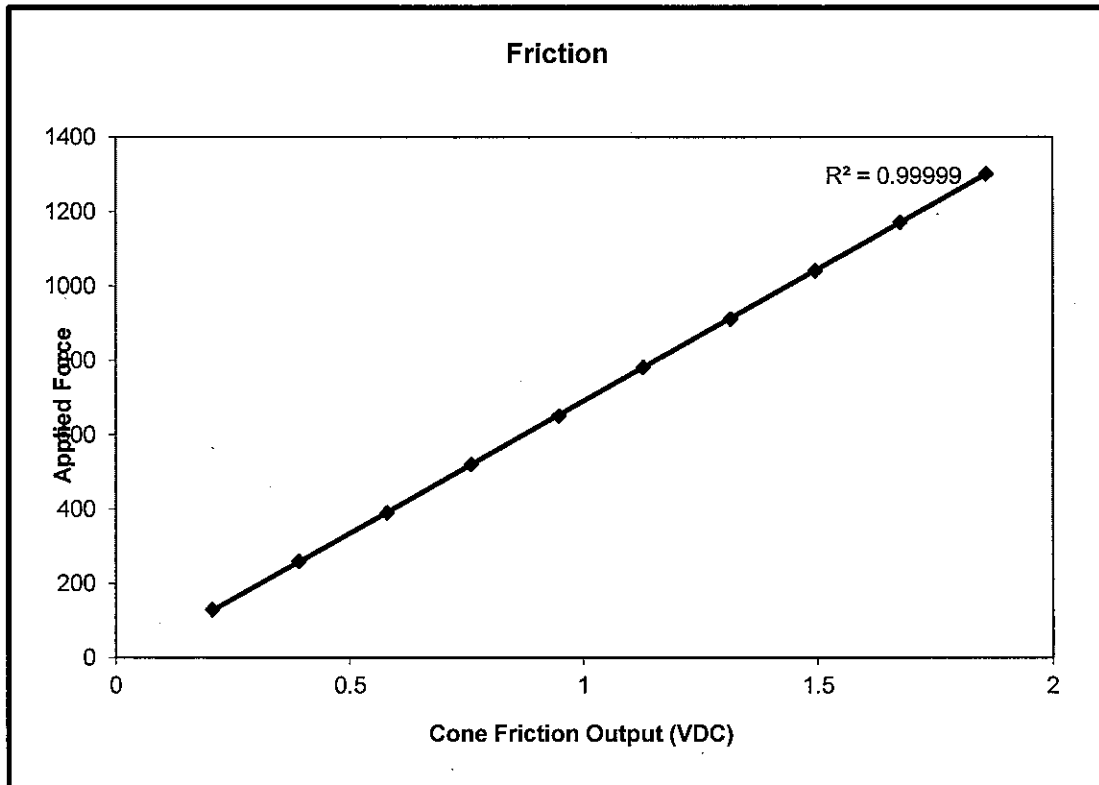


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Digital Cone Penetrometer Calibration

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Reference Press. Gauge	DRESSER D XD 1000PSIG S/N	3432

FRICITION
Full range V 1.8341
Baseline V 0.02572
Full Scale Force 1300 KPA
Output Units KPA
Unit Conv. Factor 1



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L Smith

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Approved by:
R Hull

Signed: 

Date 6/20/2013

COMMERCIAL INVOICE / FACTURA PROFORMA

DATE OF EXPORTACIÓN 7.01.2013	MERFLEX AWB 15986
SHIPPER / REMITENTE APPLIED RESEARCH 250 BEANVILLE RD RANDOLPH VT 05060 USA	IMPORTER (IF OTHER THAN CONSIGNEE) EDIFICA CALLE 66 #66A-41 BOGOTA
COUNTRY OF ORIGIN OF GOODS (País de Origen) USA	IMPORTER (IF OTHER THAN CONSIGNEE)
País de Destino COLOMBIA	

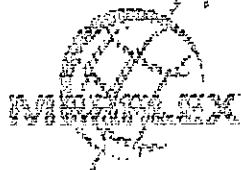
MARCAS & NUMEROS (Marcas y Números)	N of PKGS. (N. de Envios)	COMPLETE DESCRIPTION OF GOODS (Descripción del Producto)	WEIGHT (Peso)	QUANTITY (Cantidad)	UNIT VALUE (Valor Unitario)	TOTAL VALUE (Total Valor)
	1	TUBOS	47kg			\$175.92

THESE COMODITIES ARE LICENSED FOR THE SULTIMATE DESTINATION SHOWN DIVERSION CONTRARY TO TH
UNITED STATES LAW IS PROHIBITED

(Estos envíos están autorizados para el destino indicado. Cambios contrarios a las leyes Americanas están Prohibidos).

I DECLARE THAT ALL INFORMATION CONTAINED IN THIS INVOICE TO BE TRUE AND CORRECT.

(Declaro que toda la información contenida es verdad).



5515 NW 72 AVENUE

TEL : 305-882-1522 Fax:

E-Mail: courier@merflex.com

Miami, FL 33166

www.merflex.com

AIRBILL No. M-15986

REF:	FECHA/DATE 7/1/2013	ORIGEN/ORIGIN MIA	DESTINO/DESTINATION BOGOTA	WR M10025	M-15986
REMITENTE/SHIPPER: APPLIED RESEARCH DIRECCION/ADDRESS: 250 SEANVILLE RD			CONSIGNATARIO/CONSIGNEE: EDIFICA DIRECCION/ADDRESS: CALLE 66 # 66A-41 0		
Ciudad/City: RANDOLPH			Pais/Country Est./Sta. Zip Tel/Phone USA VT 05060		
DECLARACION DE ADUANA/COUSTOMS DECLARATION: TUBOS ARANCEL 0% IVA 16%			VR/VALUE: \$175.92	No. PCS 2	Peso Bruto/Gross Weight Kg 47 Kg-Vol
			POSICION ARANCELARIA: 40.09.21.00.00		
Signature of shipper or His Agent _____					