

CERTIFICATE OF CALIBRATION

DATE OF ISSUE : 16 February 2009 CERTIFICATE NUMBER : SD/PDA/0001/09
ISSUED BY : Soil Dynamics (Malaysia) Sdn. Bhd. PAGE 1 OF 2 PAGES

Submitted by : Soil Dynamics (Malaysia) Sdn Bhd
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Taman Industri Puchong
47160 Puchong
Selangor Darul Ehsan

Instrument : PDA

Manufacturer : Pile Dynamics Inc., USA

Model/Type : PAK

Serial No. : 1669K

Average Temperature : 26 ± 2 °C

Calibration Date : 16 February 2009

Calibration Method : In-house Procedure SD/WI/007

Calibration Standard(s) Used :-

<u>Instrument Type</u>	<u>Serial No.</u>	<u>Cal. Due Date</u>	<u>Traceability</u>
PDA Calibration Box	PCB001	27/01/2011	NML Malaysia via SST (SJ) – Job No. SJ2009-443-1

Approved Signatory: _____
Cheng EK

The uncertainty calculation was based on the ISO Guide to the expression of uncertainty in measurement.
The uncertainties are for a confidence probability of not less than 95%.

The certificate shall not be reproduced except in full, without the written approval of the laboratory.

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Instrument : PDA- PAK

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CALIBRATION RESULTS

Test	Channel	Test Limits	Measured Value	Measurement Uncertainty (±)	Coverage Factor (k)
FMX	A1 F1	370.4 – 385.6 (tonnes)	377	0.7	2.78
	A2 F2		377	0.7	2.78
	A3/F3		378	0.1	1.96
	A4/F4		378	0.1	1.96
VMX	A1 F1	4.01 – 4.17 (m/s)	4.08	0.01	1.96
	A2 F2	4.01 – 4.17 (m/s)	4.11	0.01	2.78
	A3/F3	4.58 – 4.77 (m/s)	4.61	0.01	2.78
	A4/F4	4.58 – 4.77 (m/s)	4.63	0.01	1.96
EMX	A1 F1	7.42 – 8.04 (tonnes-m)	7.77	0.04	1.96
	A2 F2	7.42 – 8.04 (tonnes-m)	7.87	0.04	1.96
	A3/F3	8.49 – 9.21 (tonnes-m)	8.73	0.04	1.96
	A4/F4	8.49 – 9.21 (tonnes-m)	8.83	0.04	1.96

Checked by: _____
Cheng EK

Calibrated By : _____
MNAhH

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