Issue date: 04 October 2022
Valid Until: 04 October 2025

NO: SAMM 1085
(Issue 1, 04 October 2022 replacement
of SAMM 1085 dated 04 October 2022)

LABORATORY LOCATION/ CENTRAL OFFICE:	GDSI Calibration Laboratory, GDS Intruments Sdn. Bhd. 124-126, JALAN KAPAR 27/89 TAMAN ALAM MEGAH, SECTION 27 40400 SHAH ALAM, SELANGOR , 40400, SELANGOR MALAYSIA
ACCREDITED SINCE :	12 MARCH 2025
FIELD(S) OF CALIBRATION:	DIMENSIONAL FORCE PRESSURE

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

CENTRAL LOCATION	GDSI Calibration Laboratory, GDS Intruments Sdn. Bhd. 124-126, JALAN KAPAR 27/89 TAMAN ALAM MEGAH, SECTION 27 40400 SHAH ALAM, SELANGOR , 40400, Selangor
FIELD(S) OF CALIBRATION :	DIMENSIONAL, FORCE, PRESSURE

SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Dial Gauge /displacement Transducer	Up to 50 mm 50 mm to 100 mm	0.03 mm 0.05 mm	JIS B7503:2017
Inclinometer Probe	-30 °to 0 °to +30°	0.02 °	ASTM D7299-20

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SCOPE OF CALIBRATION : FORCE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Force-proving Instruments (compression Mode) Load Cell, Proving Ring And Others	Up to 10 kN 10 kN to 50 kN 50 kN to 100 kN 100 kN to 500 kN 500 kN to 2000 kN 2000 kN to 5000 kN 5000 kN to 10000 kN	0.02 kN 0.2 kN 0.3 kN 4 kN 5 kN 16 kN 30 kN	BS EN ISO 376:2011 ASTM E74-18e1
Piezocone Tip Resistance	Up to 100 kN	0.20 kN	BS EN 22476-1:2012 ASTM D5778-20
Piezocone Sleeve Friction	Up to 15 kN 15 kN to 100 kN	0.02 kN 0.06 kN	BS EN 22476-1:2012 ASTM D5778-20
Piezocone Pore Pressure	Up to 20 bar	0.02 bar	BS EN 22476-1:2012 ASTM D5778-20

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SCOPE OF CALIBRATION : PRESSURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Piezocone Tip Resistance	Up to 100 kN	0.20 kN	BS EN 22476-1:2012 ASTM D5778-20
Piezocone Sleeve Friction	Up to 15 kN 15 kN to 100 kN	0.02 kN 0.06 kN	BS EN 22476-1:2012 ASTM D5778-20
Piezocone Pore Pressure	Up to 20 bar	0.02 bar	BS EN 22476-1:2012 ASTM D5778-20