Issue date: 06 April 2025
Valid Until: -

NO: SAMM 959

LABORATORY LOCATION/ CENTRAL OFFICE:	Glostrext Technology Sdn. Bhd. No. 11A, Jalan Apollo U5/194, Seksyen U5, Bandar Pinggiran Subang, 40150 Shah Alam, Selangor, Malaysia. , 40150, SELANGOR MALAYSIA
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF CALIBRATION:	DIMENSIONAL FORCE

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	Glostrext Technology Sdn. Bhd. No. 11A, Jalan Apollo U5/194, Seksyen U5, Bandar Pinggiran Subang, 40150 Shah Alam, Selangor, Malaysia. , 40150, Selangor
FIELD(S) OF CALIBRATION :	DIMENSIONAL, FORCE

SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Displacement	None	None	Gauge Blocks and
	10 Hz to 5 kHz	None	
		None	
	50 mm to 100 mm	0.05 mm	
Extensometer	0mm to 12.5 mm	0.01 mm	Calibrated by using
	0.001 mm to 50 mm	0.25 mm	With reference to
Gauge	gauge length.	None	reference and
	None	None	and 5.0 um for
	Up to 2.3622 inch	87 pin	JIS B 7420:2021

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	1 mm to 100 mm	0.0021 mm	procedure CP-
	Up to 50 mm	Where = nominal	using Bench
	(at designated length	None	Gauge Block
	1 kgf to 3 kgf	0.005 kgf	poise weights.
	3 kgf to 50 kgf	0.01 kof	Calibrations may be
	50 kgf to 100 kgf	0.1 kof	given in other units
	50 kgf to 100 kgf	None	by conversion from
	50 kgf to 100 kgf	None	SI units.
Linear Variable	0mm to 100 mm	0.01 mm	Calibrated by using
Transducer	0 mm to 25.0 mm	0.01 mm	Gauge Blocks and
	None	None	Comparator Stand
	50 mm to 100 mm	None	
Vibrating Wire Strain	Based on 150 mm	0.0012 mm	1. Calibrated by using Digimatic Indicator as

SCOPE OF CALIBRATION : FORCE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
(compression Only)	above 3000 KN to 400 OKN	0.72 % of reading	were determined.
Force Measuring	1000 kN to 2000 kN	1.40 % of reading	by increment and the
Instruments	above 2000 KN to 3000 KN	0.96 % of reading	relative creep errors
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	None	None	
	7.5 W to 119.99 W	0.58 mW/W - 0.08 mW	Generating
	Up to 100 g	0.3 mg	CM-SO2with
	Up to 200 g	1.2mg	general
	Up to 200 g	None	reference to
	Up to 200 g	None	Euramet cg 18
	Up to 200 g	None	v4.0, ASTM
	Up to 200 g	None	E898-20 and
	Up to 200 g	None	UKAS Lab 14
	Up to 200 g	None	Ed.6
	Up to 100 g	0.3 mg	CM-SO2with
	Up to 200 g	1.2mg	general
	Up to 200 g	None	reference to
	Up to 200 g	None	Euramet cg 18
	Up to 200 g	None	v4.0, ASTM
	Up to 200 g	None	E898-20 and
	Up to 200 g	None	UKAS Lab 14
	Up to 200 g	None	Ed.6
	1000 psi to 3000 psi	1 psi	weight tester as
	3000 psi to 5000 psi	2 psi	standards based on
	3000 psi to 5000 psi	None	DKD-R 6-1

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	3000 psi to 5000 psi	None	sequence A, C
	0 psi to 1000 psi	None	sequence A, C
	20 Hz to 18 GHz	None	
	None	None	
	None	None	
	None	None	
	10 KN to 50 KN	0.2 kN	
	None	None	
	1.2 MHz to 2.000 MHz	None	