Issue date: 28 September 2024
Valid Until: 23 May 2028

NO: SAMM 828

LABORATORY LOCATION/ CENTRAL OFFICE:	Wika Instrumentation (M) Sdn. Bhd. No.23, Jalan Jurukur U1/19, HICOM Glenmarie Industrial Park, , 40150, SELANGOR MALAYSIA
ACCREDITED SINCE :	14 FEBRUARY 2025
FIELD(S) OF CALIBRATION:	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	Wika Instrumentation (M) Sdn. Bhd. No.23, Jalan Jurukur U1/19, HICOM Glenmarie Industrial Park, , 40150, Selangor
FIELD(S) OF CALIBRATION :	PRESSURE,

SCOPE OF CALIBRATION : PRESSURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Pressure Measuring Devices: Bourdon Tube, Capsule And Diaphragm Type Gauges; Electrical Gauges And Pressure Transmitters. (hydraulic Medium)	6 bar to 40 bar	0.010 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Above 40 bar to 120 bar	0.020 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 120 bar to 240 bar	0.030 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 240 bar to 360 bar	0.040 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 360 bar to 400 bar	0.050 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 400 bar to 500 bar	0.060 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 500 bar to 600 bar	0.070 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Above 600 bar to 700 bar	0.080 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
	Above 700 bar to 1000 bar	0.16 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg 17 v3.0
Pressure Measuring Devices: Bourdon Tube, Capsule And Diaphragm Type Gauges; Electrical Gauges And Pressure Transmitters. (pneumatic Medium)	-1 bar to 0 bar	0.020 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg-17 v3.0
	0.2 bar to 10 bar	0.040 bar	Calibrated using deadweight tester according to: EN 837-1:1997 EN837-3:1996 DKD-R-6-1 Edition:03/2014, EURAMET cg-17 v3.0
Pressure Measuring Devices: Bourdon Tube, Capsule And Diaphragm Type Gauges; Electrical Gauges And Pressure Transmitters.	**Absolute Pressure** 50 mbar abs to 1000 mbar abs Above 1.0 bar abs to 5.6 bar abs Above 5.6 bar abs to 20.0 bar abs Above 20.0 bar abs to 38.0 bar abs Above 38.0 bar abs to 50.0 bar abs Above 50.0 bar abs to 75.0 bar abs Above 75.0 bar abs to 100.0 bar abs	 0.042 mbar abs 0.00023 bar abs 0.0014 bar abs 0.0026 bar abs 0.0033 bar abs 0.0045 bar abs 0.0058 bar abs	Calibrated using reference pressure gauges by direct comparison method according to: EN 837-1:1997, EN837-3:1996, DKD-R 6-1 Edition:03/2014, EURAMET cg-17 v3.0

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	Barometric Pressure 0.55 bar abs to 1.17 bar abs	0.000048 bar abs	Calibrated using reference pressure gauges by direct comparison method according to: EN 837-1:1997, EN837-3:1996, DKD-R 6-1 Edition:03/2014, EURAMET cg-17 v3.0
	Gauge Pressure – Pneumatic medium -1000 mbar to -172 mbar Above -172 mbar to 0 mbar Above 0 mbar to 172 mbar Above 172 mbar to 1000 mbar Above 1.0 bar to 4.8 bar Above 4.8 bar to 7.3 bar Above 7.3 bar to 10.0 bar Above 10.0 bar to 24.3 bar Above 24.3 bar to 49.5 bar Above 49.5 bar to 74.8 bar Above 74.8 bar to 100.0 bar	0.041 mbar 0.021 mbar 0.021 mbar 0.042 mbar 0.00019 bar 0.00030 bar 0.00041 bar 0.0016 bar 0.0032 bar 0.0045 bar 0.0058 bar	Calibrated using reference pressure gauges by direct comparison method according to: EN 837-1:1997, EN837-3:1996, DKD-R 6-1 Edition:03/2014, EURAMET cg-17 v3.0
	Gauge Pressure – Hydraulic Medium 0 bar to 40 bar Above 40 bar to 60 bar Above 60 bar to 400 bar Above 400 bar to 1000 bar	0.032 bar 0.039 bar 0.23 bar 0.41 bar	Calibrated using reference pressure gauges by direct comparison method according to: EN 837-1:1997, EN837-3:1996, DKD-R 6-1 Edition:03/2014, EURAMET cg-17 v3.0

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