Schedule

Issue date: 06 April 2025
Valid Until: -

NO: SAMM 716

LABORATORY LOCATION/ CENTRAL OFFICE:	Yelico Engineering Sdn. Bhd. No.28 & 30, Jalan Teras 3 Kawasan Perindustrian Kota Puteri, 81750 Masai, Johor Bahru, Johor. , 81750, JOHOR MALAYSIA
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	MECHANICAL
FIELD(S) OF CALIBRATION:	PRESSURE TEMPERATURE

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.**

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FIELD(S) OF TESTING :	MECHANICAL,

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Accessories	None	None
	None	None
Accessories (continue)	None	None
Pipeline Valve And Other	Low Pressure Pneumatic Seat	API 6D 25th Edition, Nov 2021
Pipeline Valve And Other Pressure Retaining	Pressure Test: Hydraulic, Pneumatic & Gas	None
	Pressure Test: Hydraulic, Pneumatic & Gas	None
Pressure Retaining	Test	(Annex L17)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Safety Relief Valve	Pop Pressure (as received)	API 576:2017 4" Edition
	Pop Pressure (as received)	API 576:2017 4" Edition

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FIELD(S) OF CALIBRATION :	PRESSURE, HEAT & TEMPERATURE

SCOPE OF CALIBRATION : PRESSURE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks

SCOPE OF CALIBRATION : TEMPERATURE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
(pneumatic Medium)	None	None	
	None	None	
	None	None	EURAMET cg-
	Up to 20 bar	0.015 bar	based on BS EN 837-
	Up to 20 bar	None	1:1998, BS EN 837-
	Up to 20 bar	None	3:1998, Euramet Cg-
	Up to 20 bar	None	17 version 4.0
	Up to 20 bar	None	
-thermocouple Type-r	0 °C to 1700 °C	1.7°C	reference to
	to 1700 °C	1.9°C	reference to
Calibrator*	None	None	indicator as
Controller / Recorder	None	None	
	None	None	
Device (hydraulic)	None	None	Dead Weight
Device (pneumatic)	None	None	Deadweight
Gauges	None	None	BS EN 837-
	Above 20 bar to 350 bar	0.32 bar	1.5125
	None	None	BS EN 837-
	Above 20 bar to 350 bar	0.32 bar	BS EN 837-
Hydraulic Pressure	0 bar to 20 bar	0.06 bar	BS EN 837-
	0 bar to 20 bar	0.07 bar	
Indicator	140 °C to 250 °C	0.43 °C	method using dry
	140 °C C to 400 °C	0.50 °C	method using dry
	None	None	
	None	None	
	None	None	
	-100 °C to 1300 °C	None	Mirror Hygrometer
	to 400 °C	None	
	420 °C to 650 °C	2.7°C	
	None	None	
Pneumatic Pressure	0 bar to 20 bar	0.06 bar	Refer to:
	0 bar to 20 bar	0.06 bar	Refer to:
	0 bar to 2 bar	0.001 bar	Calibration using
	0 bar to 2 bar	0.001 bar	
Pressure Measurement	0 to 70 bar	0.01 % of reading	Comparison with
	-1 bar to 0 bar	0.06 % of reading	Comparing with
Pt 100 & Thermocouple	-20 °C to 140 °C	0.67 °C	By comparison
	-20 °C to 400 °C	1.6°C	By comparison
Rtd (pt 100) &	0 °C to 160 °C	0.25 °C	By comparison
Sensors Without	140 °C to 250 °C	0.72 °C	method using dry
	400 °C to 600 °C	2.1°C	method using dry

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Temperature Sensor With	- 20°C to 140 °C	0.34 °C	By comparison
	- 20°C to 140 °C	0.53 °C	By comparison
	None	None	
	None	None	
	0°C to 420 °C	0.51 °C	Thermocouple type S
Thermocouple Sensor	160 °C to 400 °C	0.44 °C	method using
Vacuum Gauges	-1 bar to 0 bar	0.012 bar	calibrator
	-1 bar to 0 bar	0.013 bar	Jan-14
With Indicators	None	None	PRT as reference