



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest

PROMPT ENGINEERING & TRADING SERVICES CO.WLL

SHOP NO. 19 & 20, BUILDING NO. 6, BARWA VILLAGE, ZONE: 91, STREET NO: 294
DOHA 24067, QATAR

Calibration Laboratory CL-165

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date January 1, 2027

Effective Date February 24, 2026



International Accreditation Service

Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

PROMPT ENGINEERING & TRADING SERVICES CO.WLL

www.promptqatar.com

Contact Name Jeevan James

Contact Phone +974-70441661

Accredited to ISO/IEC 17025:2017

Effective Date February 24, 2026

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
<i>Dimensional</i>			
External Micrometer ⁵	0 mm to 150 mm	1.9 µm	Using slip gauge set Grade "0", optical parallel and optical flat by direct method
Calipers ⁵	0 mm to 300 mm	9 µm	Using slip gauge set Grade "0" by direct method
Height Gauge ⁵	0 mm to 600 mm	11 µm	Using surface plate, slip gauge set Grade "0" and length bars by direct method
Thickness Gauge ⁵	0 mm to 5 mm 5 mm to 50 mm	1 µm 6 µm	Using Slip gauge set Grade "0" by direct method
Feeler Gauge ⁵	0.01 mm to 1 mm	2 µm	Using Digital Micrometer by direct method
Standard Foils ⁵	0 µm to 5000 µm	2.6 µm	Using Digital Micrometer by direct method
Ring Gauges / Setting rings ⁶	Dia: 8 mm to 200 mm	2 µm	Using Micro-height by direct method
Depth caliper	0 mm to 300 mm	9.7 µm	Using Depth Micro checker by direct method ISO 13385-2-2020
Depth Micrometer	0 mm to 300 mm	6 µm	Using Depth Micro checker by direct method BS 6468-2008
Internal caliper	25 mm to 300 mm 300 mm to 600 mm	7.7 µm 9 µm	direct method using Internal Micro checker IS 16491-2016
2 point Internal Micrometer	25 mm to 600 mm	9 µm	Using Internal Micro checker by direct method

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
			IS 2966-1064 (RA 2019)
3-Point internal Micrometer	∅ 5 mm to ∅ 30 mm	8 µm	Using setting rings by direct method Based on IS 2967-1983
Ultrasonic thickness gage	1 mm to 100 mm	8 µm	Using slip gauge set Grade "0" & Grade "1" ASTM E797
Multistep Blocks	0 mm to 600 mm	5.3 µm	Direct method using Calibrated Height gage
Bevel protector/ /inclinometer	Only for 30° arc, 45° arc, 60° arc and 90° arc	0.03° arc	Using 4 reference angle gauges IS 4239-2023
Mechanical			
Pressure (Pneumatic) Pressure and Vacuum Gauge / Recorder/ Transducer/ Safety Valve ⁵	-0.85 bar to 2 bar	0.91 %	Using Automatic Pressure calibrator by direct method
	0.2 bar to 20 bar	0.08 %	Using Pressure Calibrator by direct method
	1 bar to 150 bar	0.28 %	Using pneumatic calibrator with Reference Pressure gauge by comparison method
Pressure (Hydraulic) Pressure Gauge / Recorder / Transducer ⁶	20 bar to 700 bar	0.03 %	Hydraulic Dead weight Tester by direct method
	700 bar to 1400 bar	0.44 %	
Hydraulic Pressure Gauge	0 bar to 500 bar	0.15 %	Using Hydraulic pump and comparison with a Reference pressure gauge.
	500 bar to 690 bar	0.18 %	
Vibration Meter/Analyzer ⁵	Single point - 10 m/s ²	0.38 m/s ²	Using Calibration Exciter by direct method
Sound Level Meter ⁵	94 dB and 104 dB @ 1 kHz	0.6 dB	Using Acoustic calibrator by direct method
Sound Level Calibrator ⁵	94 dB and 114 dB @ 1 kHz	1.4 dB	Using Reference Sound level meter by direct method
Anemometer (Hot Wire, Vane Type and Pitot Tube Anemometer) ⁵	2.5 m/s to 15 m/s	0.55 m/s	Using Laboratory grade, Bench top mini wind tunnel, reference anemometer & reference pitot tube by comparison method
Torque Screwdriver (CCW) ⁵	0.1 N·m to 3 N·m	0.86 %	Using Norbar Torque Tester by Direct Method ISO 6789 :2017 Part 1 and Part 2

CL-165

PROMPT ENGINEERING & TRADING SERVICES CO.WLL

Effective Date February 24, 2026

Page 3 of 10

IAS/CL/100-3



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Torque Wrenches (CW & CCW) ⁵	1 N·m to 5 N·m 5 N·m to 10 N·m 10 N·m to 1000 N·m 1000 N·m to 3000 N·m	1.5% 0.53% 0.71 % 0.4 %	Using Torque Transducers, Calibration Station and Torque Tester by direct method ISO 6789 :2017 Part 1 and Part 2
Force – Compression Testing Machine ⁵	2 kN to 100 kN 100 kN to 3000 kN	0.08 % 0.07 %	Using Load Cell by direct method
Analytical / Laboratory / Industrial Balance ⁵	0 g to 320 g 320 g to 1600 g 1600 g to 3200 g	0.27 mg 0.0014 g 0.0077 g	Using E1 Class Weights by direct method EURAMET CG-18:2015 OIML R76-1 :2006
	1 mg to 2100 g 2100 g to 5000 g 5 kg to 200 kg	0.006 g 0.023 g 28 g	Using E2, F1 and M1 Class Weights by direct method
Weights ⁵	100 g	8 mg	Using mass comparator and E2 and F1 reference weights by comparison method
	200 g	8.3 mg	
	500 g	8.3 mg	
	1 kg	8 mg	
	2 kg	9 mg	
	5 kg	10 mg	
	10 kg 20 kg	10 mg 12 mg	
Thermal			
Temperature Controller / Indicator / Recorder / with Sensor / Thermometer / Thermocouple / RTD Sensor / Temperature Gauge / Transmitter ⁵	-40 °C to 250 °C 250 °C to 660 °C 600° C to 1200° C	0.094 °C 0.61 °C 1.4 °C	Using Dry Block Metrology Well, Furnace, Micro Bath / with PRT Secondary Standard, Type-S Thermocouple by comparison method EURAMET CG-08:2020, ASTM E644-11: 2019
Infrared Thermometer ⁵	-15 °C to 120 °C 50 °C to 500 °C	0.7 °C 1.0 °C	Using IR calibrator by direct method
Oven / Incubator / Freezer (Mapping – Multi Sensor method) ⁵	-80 °C to 419 °C	0.63 °C	Using Reference PRT's with Indicator by direct method
Muffle Furnace	500 °C to 1100 °C	2.8 °C	Using Reference Type-S Thermocouple by direct method EURAMET CG-20:2017
Humidity meters / loggers / recorders ⁵	10 %RH to 95 %RH (@18 °C to 25 °C)	0.70 %	Using Humidity Generator by Direct method
	18 °C to 28 °C @ 45 %RH	0.22 °C	
Electrical – DC/LF			
DC Current	0 µA to 329.999 µA/	16 nA + 0.04 %	Using Electrical Multifunction



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Generate ^{3,5}	0.33 mA to 3.29999 mA 3.3 mA to 32.9999 mA 33.0 mA to 329.999 mA 0.330 A to 1.09999 A 1.1 A to 2.99999 A 3.0 A to 10.9999 A 11 A to 20 A 20 A to 1000 A	0.02 % 0.06 % 0.02 % 0.06 % 0.11 % 0.08 % 0.08 % 0.50 %	Calibrator & 50 Turn Current Coil by direct method.
AC Voltage Generate ^{3,5}	(10 Hz to 500 Hz) 1.0 mV to 32.99 mV (10 Hz to 500 kHz) 33 mV to 329.999 mV 0.33 V to 3.29999 V (10 Hz to 100 kHz) 3.3 V to 32.9999 V (45 Hz to 100 kHz) 33 V to 329.999 V (45 Hz to 10 kHz) 330 V to 1020 V	0.14 % 0.10 % 0.08 % 0.08 % 0.08 % 0.063 %	Using Electrical Multifunction Calibrator by direct method
AC Current Generate ^{3,5}	(50 Hz to 1 kHz) 0.029 mA to 0.32999 mA 0.33 mA to 3.29999 mA 3.3 mA to 32.9999 mA 33 mA to 329.999 mA 0.33 A to 2.99999 A 3 A to 20.5 A (50 Hz to 400 Hz) 20 A to 1000 A 1000 A to 4500 A	0.40 % 0.11 % 0.27 % 0.06 % 0.08 % 0.19 % 1.3 % 0.6 %	Using Electrical Multifunction Calibrator by direct method Using Electrical Multifunction Calibrator & 50 Turn Current Coil by direct method
DC Voltage Generate ^{3,5}	0 mV to 329.9999 mV 0.33 V to 3.299999 V 3.3 V to 32.99999 V 33 V to 329.9999 V 330 V to 1020.000 V	1 µV + 0.1 % 0.06 % 0.06 % 0.015 % 0.015 %	Using Electrical Multifunction Calibrator by direct method
DC Resistance Generate ^{3,5}	0 Ω to 10.0 Ω 10.0 Ω to 100.0 Ω 100.0 Ω to 1.0 MΩ 1.0 MΩ to 100.0 MΩ 100.0 MΩ to 1100 MΩ	10 mΩ + 0.12 % 0.027 % 0.0079 % 0.07 % 1.8 %	Using Electrical Multifunction Calibrator (2-wire and 4-wire) by direct method
Frequency Generate ^{3,5}	0.01 Hz to 119.99 Hz 120.0 Hz to 1199.9 Hz 1.200 kHz to 11.999 kHz	0.01 % 0.011 % 0.29 %	Using Electrical Multifunction Calibrator by direct method



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
	12.00 kHz to 119.99 kHz 120.0 kHz to 1199.9 kHz 1.200 MHz to 2.000 MHz	0.29 % 0.12 % 0.12 %	
Rotational Speed Simulation (Non- Contact) ⁵	10 rpm to 3000 rpm 3000 rpm to 999999 rpm	1 rpm 4 rpm	Using Electrical Multifunction Calibrator by direct method (Simulation – frequency)
Capacitance Generate ^{3,5} (100 Hz to 1 kHz)	220 pF to 1.00 nF 1.1 nF to 10.0 µF 10 µF to 1.0 mF 1 mF to 100 mF	3.9 % 0.28 % 0.61 % 0.92 %	Using Electrical Multifunction Calibrator by direct method
LF Power Generate ^{3,5} (Active/ Reactive/ Apparent) (single-phase)	(1 V to 600 V / 0.008 A to 30 A) (40 Hz to 70 Hz) and (-1 PF to 1 PF) 0.008 W to 18 kW	0.47 %	Using Power / Energy Calibrator by direct method
LF Power Generate ^{3,5} (Active/ Reactive / Apparent) (Three -phase)	(1 V to 600 V / 0.008 A to 30A) for each phase (40 Hz to 70 Hz) and (-1 PF to 1 PF) 0.008 W to 54 kW	0.35 %	Using Power / Energy Calibrator by direct method
DC Power Generate ^{3,5}	(1 V to 280 V / 0.008 A to 90 A) 0.008 W to 25.2 kW	0.40 %	Using Power / Energy Calibrator by direct method
Energy Generate ^{3,5} (single-phase)	1 V to 600 V 5 mA to 90 A (15 Hz to 1 kHz) 0.0014 mWh to 18 kWh (-1 PF to 1 PF)	2.8 % (of output in kWh)	Using Power / Energy Calibrator by direct method
Energy Generate ^{3,5} (3-phase)	1 V to 600 V (5 mA to 30 A) for Each phase (15 Hz to 1 kHz) 0.0014 mWh to 18 kWh (-1 PF to 1 PF)	0.62 % (of output in kWh)	Using Power / Energy Calibrator by direct method
Resistance Generate ^{3,5} (High voltage)	10 kΩ to 10 GΩ (@ 1575 V _{pk}) 10 kΩ to 100 GΩ (@ 10 kV _{pk})	1.6 % 1.6 %	Using Electrical Multifunction Calibrator by direct method
Leakage Current ⁵	0.1 mA to 30 mA	0.70 %	Using Electrical Multifunction Calibrator by direct method
Residual Current Device ⁵	Trip Current Ranges: 3 mA to 500 mA 500 mA to 3000 mA	0.31 % 2.8 %	Using Electrical Multifunction Calibrator by direct method

CL-165

PROMPT ENGINEERING & TRADING SERVICES CO.WLL

Effective Date February 24, 2026

Page 6 of 10

IAS/CL/100-3



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Oscilloscope: Time base Bandwidth Amplitude @ 1 kHz, Sine Wave ^{3,5}	2 ns to 5 s 50 kHz to 600 MHz 10 mV to 70 V	0.06 ms 3.5 % 0.4 mV	Using Electrical Multifunction Calibrator with Scope option by direct method
Temperature Simulation Generate Temperature Indicator / Controller / Recorder / Test Kit / Universal Calibrator ^{3,5}	-200 °C to 800 °C, Pt 385,100 Ω -200 °C to 630 °C, Pt 3926,100 Ω -200 °C to 630 °C, Pt 3916,100 Ω -200 °C to 630 °C, Pt 385,200 Ω -200 °C to 630 °C, Pt 385,500 Ω -200 °C to 630 °C, Pt 385,1000 Ω -80 °C to 260 °C, Pt Ni 385,120 Ω (Ni 120) -100 °C to 260 °C, Cu 427, 10 Ω 600 °C to 1820 °C, B Type 0 °C to 2316 °C, C Type -250 °C to 1000 °C, E Type -210 °C to 1200 °C, J Type -250 °C to 1372 °C, K Type -200 °C to 900 °C, L Type -200 °C to 1300 °C, N Type 0 °C to 1767 °C, R Type 0 °C to 1767 °C, S Type -250 °C to 400 °C, T Type -200 °C to 600 °C, U Type	0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.26 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C 0.42 °C	Using Electrical Multifunction Calibrator by direct method
DC Voltage Measure ^{4,5}	0 mV to 100.0 mV 100 mV to 10.0 V 10.0 V to 100.0 V 100.0 V to 1000.0 V	0.7 μV + 0.01 % 0.001 % 0.001 % 0.002 %	Using 6½ Digit Precision Multimeter by direct method
	0 mV to 1 mV 1 mV to 10 mV 10 mV to 100mV 100 mV to 10.0 V 10.0 V to 100.0 V 100.0 V to 1000.0 V	0.027 % 0.003 % 0.0008 % 0.0006 % 0.0008 % 0.0009 %	Using 8½ Digit Precision Multimeter by direct method
	0.1 kV to 90 kV	0.29 %	Using Precision Meter and Precision HV Bench Towe by Direct Method



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
AC Voltage Measure ^{4,5} (@ 50 Hz)	100 mV to 1 V	0.11 %	Using 6½ Digit Precision Multimeter by direct method
	1 V to 10 V	0.11 %	
	10 V to 100 V	0.33 %	
	100 V to 1000 V	0.33 %	
	100 mV to 1 V	0.011 %	Using 8½ Digit Precision Multimeter by direct method
	1 V to 10 V	0.012 %	
	10 V to 100 V	0.011 %	
	100 V to 1000 V	0.018 %	
	0.1 kV to 70 kV	0.49 %	Using Precision Meter and Precision HV Bench Tope by Direct Method
DC Current Measure ^{4,5}	100 µA to 1 mA	0.35 %	Using 6½ Digit Precision Multimeter by direct method
	1 mA to 10 mA	0.35 %	
	10 mA to 100 mA	0.35 %	
	100 mA to 1.0 A	0.06 %	
	1 A to 3 A	0.08 %	
	3 A to 10 A	0.18 %	
	10 A to 20 A	0.18 %	
	50 µA to 1 mA	0.0023 %	Using 8½ Digit Precision Multimeter by direct method
	1 mA to 10 mA	0.0023 %	
	10 mA to 100 mA	0.007 %	
	100 mA to 1.0 A	0.039 %	
	1 A to 3 A	0.045 %	
	3 A to 10 A	0.029 %	
	10 A to 20 A	0.1 %	
	20 A to 30 A	0.09 %	
AC Current Measure ^{4,5} (50 Hz)	1 µA to 100 µA	100 pA+0.42 %	Using 6½ Digit Precision Multimeter by direct method
	100 µA to 1 mA	0.42 %	
	1 mA to 10 mA	0.42 %	
	10 mA to 100 mA	0.42 %	
	100 mA to 1.0 A	0.16 %	
	1 A to 3 A	0.29 %	
	3 A to 10 A	0.29 %	
	50 µA to 1 mA	0.048 %	Using 8½ Digit Precision Multimeter by direct method
	1 mA to 10 mA	0.045 %	
	10 mA to 100 mA	0.045 %	
	100 mA to 1.0 A	0.06 %	
	1 A to 3 A	0.17 %	
	3 A to 10 A	0.15 %	
	10 A to 20 A	0.20 %	
	20 A to 30 A	0.18 %	
DC Resistance Measure ^{4,5}	10 Ω to 100 Ω	0.36 %	Using 6½ Digit Precision Multimeter by direct method
	100 Ω to 1 kΩ	0.023 %	
	1 kΩ to 10 kΩ	0.023 %	
	10 kΩ to 100 kΩ	0.073 %	
	100 kΩ to 1 MΩ	0.073 %	



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
DC Resistance Measure ^{4,5} (cont'd.)	1 MΩ to 10 MΩ	0.073 %	
	10 MΩ to 100 MΩ	0.073 %	
	100 MΩ to 1 GΩ	1.4 %	
	10 Ω to 100 Ω	0.0061 %	Using 8½ Digit Precision Multimeter by direct method
	100 Ω to 1 kΩ	0.0014 %	
	1 kΩ to 10 kΩ	0.0014 %	
	10 kΩ to 100 kΩ	0.0014 %	
	100 kΩ to 1 MΩ	0.008 %	
	1 MΩ to 10 MΩ	0.008 %	
	10 MΩ to 100 MΩ	0.017%	
	100 MΩ to 10 GΩ	0.21%	
Frequency Measure ^{4,5}	5 Hz to 1 MHz	0.12 %	Using 6½ Digit Precision Multimeter by direct method
	50 Hz to 10 MHz	0.0011 %	Using 8½ Digit Precision Multimeter by direct method
Capacitance Measure ^{4,5} (3 Hz to 1 MHz)	1 nF to 100 mF	1.8 %	Using 6½ Digit Precision Multimeter by direct method
Capacitance Measure ^{4,5} (10 Hz to 100 MHz)	10 nF to 100 mF	0.12 %	Using 8½ Digit Precision Multimeter by direct method
Temperature Measure ^{4,5} (PT 100)	-200 °C to 600 °C	0.26 °C	Using 6½ Digit Precision Multimeter by direct method
Simulated Temperature (Measure)- (Temperature Indicator / Controller / Recorder / Test Kit / Universal Calibrator / Calibrators) ^{4,5}	-200 °C to 800 °C, Pt 385	0.46 °C	Using 6½ Digit Precision Multimeter & Electrical Multifunction Calibrator by direct method
	-200 °C to 630 °C, Pt 3926	0.46 °C	
	-200 °C to 630 °C, Pt 3916	0.46 °C	
	-200 °C to 630 °C, Pt 385	0.46 °C	
	-80 °C to 260 °C, Pt Ni 385, (Ni 120)	0.46 °C	
	-100 °C to 260 °C, Cu 427	0.46 °C	
	600 °C to 1820 °C, B Type	0.46 °C	
	0 °C to 2316 °C, C Type	0.46 °C	
	-250 °C to 1000 °C, E Type	0.46 °C	
	-210 °C to 1200 °C, J Type	0.46 °C	
	-250 °C to 1372 °C, K Type	0.46 °C	
	-200 °C to 900 °C, L Type	0.46 °C	
	-200 °C to 1300 °C, N Type	0.46 °C	
	0 °C to 1767 °C, R Type	0.46 °C	
	0 °C to 1767 °C, S Type	0.46 °C	
-250 °C to 400 °C, T Type	0.46 °C		
-200 °C to 600 °C, U Type	0.46 °C		
Inductance Generate ^{3,5} @ 1 kHz	1 mH to 10 H	3.4 %	Using reference Decade Inductance Box by Direct method
Time and Frequency			
Rotational Speed (Contact) ⁵	100 rpm to 4500 rpm	4.5 rpm	Using Reference Tachometer by Comparison method



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Chemical/Gas			
Gas Detector Calibration ⁶			Using Standard Reference Gas and Calibration Docking system by direct method
CO	100 ppm	1.1 parts in 10 ⁶	
O ₂	18.0 %	0.11 %	
Cl ₂	10 ppm	0.067 parts in 10 ⁶	
H ₂ S	25 ppm	0.25 parts in 10 ⁶	
LEL	50 %	0.68 %	
CO ₂	0.50 %	2.1 parts in 10 ⁶	
SO ₂	20 ppm	0.61 parts in 10 ⁶	
VOC (iso- Butane)	100 ppm	1.7 parts in 10 ⁶	
NH ₃	25 ppm	0.10 parts in 10 ⁶	
NO	50 ppm	1.4 parts in 10 ⁶	
NO ₂	10 ppm	0.21 parts in 10 ⁶	

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Capability is suitable for the calibration of measuring devices in the stated ranges.

⁴Capability is suitable for the calibration of devices intended to generate the indicated quantity in the stated ranges.

⁵Also available as site calibration. Note that actual measurement uncertainties achievable at a customer's site can normally be expected to be larger than the uncertainties listed on this Scope of Accreditation.

⁶Only in permanent laboratory.

CW = clockwise
 CCW = counter-clockwise
 LF = low frequency
 PF = power factor
 pk = peak
 ppm = parts per million

