



Accreditation Scope

Emirates Calibration Services, NAL 130
Calibration Laboratory, (ISO/IEC 17025:2017)

EMIRATES POST OFFICE BUILDING 3RD FLOOR , MUSSAFFAH M2 , ABU DHABI , UAE , Abu Dhabi,
United Arab Emirates

Issue Date: 06/05/2025

Expiry Date: 28/04/2028

Issue No: 4

Calibration Field/ Quantity/ Property	Measurand / Equipment	Measurement Range	Expanded Measurement Uncertainty (k=2)	Calibration Method (Standard/ Internal Procedure)	Permanent lab (P)/Client- site
Electricity. Magnetism. Electrical and magnetic measurements	RF Power meter @ 0.1 MHz to 6 GHz	(-140 to 10) dBm	0.13 dB	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	AM Modulation meters @ 0.010 GHz to 1.0 GHz	5 % to 25 %	0.011	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	AM Modulation meters @ 0.010 GHz to 1.0 GHz	25 % to 50 %	0.018	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	AM Modulation meters @ 0.010 GHz to 1.0 GHz	50 % to 75 %	0.026	ECS-GCP- RF:2023	P

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Electricity. Magnetism. Electrical and magnetic measurements	AM Modulation meters @ 0.010 GHz to 1.0 GHz	75 % to 90 %	0.03	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	FM Modulation @ 20 Hz to 50 kHz	0.5 kHz to 1 kHz	12 Hz	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	FM Modulation @ 20 Hz to 50 kHz	1 kHz to 10 kHz	0.2 kHz	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	FM Modulation @ 20 Hz to 50 kHz	10 kHz to 50 kHz	0.9 kHz	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	FM Modulation @ 20 Hz to 50 kHz	50 kHz to 200 kHz	3.4 kHz	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	PM Modulation @ 20 Hz to 50 kHz	1 rad to 10 rad	0.08 rad	ECS-GCP- RF:2023	P

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Electricity. Magnetism. Electrical and magnetic measurements	PM Modulation @ 20 Hz to 50 kHz	10 rad to 25 rad	0.10 rad	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	PM Modulation @ 20 Hz to 50 kHz	25 rad to 50 rad	0.15 rad	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	Frequency	20 Hz to 20 GHz	$1.8 \cdot 10^{-7} \cdot f$	ECS-GCP- RF:2023	P
Electricity. Magnetism. Electrical and magnetic measurements	Optical Power Meter, Laser Source	(-3 to -60) dBm	0.3 dB	ECS-GCP- FO-01:2020	P S
Electricity. Magnetism. Electrical and magnetic measurements	Single & 3 Phase AC Energy Power Meter	(3.0 to 510) V	0.18 V	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Single & 3 Phase AC Energy Power Meter	(0.02 to 115) A	0.14 A	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Single & 3 Phase AC Energy Power Meter	(-180 to 180) °	0.01 °	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Stopwatch Timer Clock	1 s to 24 h	0.6 s	ECS-GCP-ST- 01:2021	P S
Electricity. Magnetism. Electrical and magnetic measurements	Time Based Equipment / Oscilloscope / Rise time	10 ns to 5 s	0.0002	ECS-GCP- OS-01: 2021	P S
Electricity. Magnetism. Electrical and magnetic measurements	Pulse Width Rise Time	10 µs to 5 s	0.0001	ECS-GCP- OS-01: 2021	P S
Electricity. Magnetism. Electrical and magnetic measurements	Overshoot	(1 to 100) mV	0.012	ECS-GCP- OS-01: 2021	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage @ 40 Hz to 100 kHz (source)	1 mV to 1 V	0.03 mV	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage @ 40 Hz to 100 kHz (source)	1 V to 10 V	0.30 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage @ 40 Hz to 100 kHz (source)	10 V to 100 V	2.5 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage @ 40 Hz to 100 kHz (source)	100 V to 1 kV	21 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Voltage @ 40 Hz to 100 kHz (source)	1 kV to 150 kV	0.02	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage (source)	0 mV to 100 mV	0.03 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage (source)	100 mV to 10 V	0.30 mV	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	DC voltage (source)	10 V to 100 V	3 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage (source)	100 V to 1 kV	30 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage (source)	1 kV to 150 kV	0.015	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current @ 40 Hz to 1 kHz (source)	Up to 100 mA	0.25 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current @ 40 Hz to 1 kHz (source)	100 mA to 3 A	0.45 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current @ 40 Hz to 1 kHz (source)	3 A to 600 A	2.0 A	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current @ 40 Hz to 1 kHz (source)	> 600 to 1000 A	0.04% of Reading	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current @ 40 Hz to 1 kHz (source)	1000 to 3000 A	0.075% of Reading	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (source)	Up to 100 mA	0.25 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (source)	100 mA to 3 A	0.45 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (source)	3A to 600 A	2.0 A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current (source)	> 600 to 1000 A	4 % of Reading	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current (source)	1000 to 2500 A	6.2 % of Reading	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	Up to 1 mΩ	0.01 mΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1 to 10 mΩ	0.03 mΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	10 to 100 mΩ	0.25 mΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	100 mΩ to 1 Ω	2.8 mΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1 Ω to 10 Ω	0.03 Ω	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	10 Ω to 100 Ω	0.25 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	100 Ω to 1 k Ω	0.25 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1 k Ω to 10 k Ω	2.5 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	10 k Ω to 100 k Ω	25 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	100 k Ω to 1 M Ω	0.03 M Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1 M Ω to 10 M Ω	0.25 M Ω	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	10 MΩ to 100 MΩ	2.5 MΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	100 MΩ to 1 GΩ	0.03 GΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	0.35 nF to 1.1 nF	0.02 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	1.1 nF to 3.3 nF	0.02 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	3.3 nF to 11 nF	0.04 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	11 nF to 33 nF	0.15 nF	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	33 nF to 109 nF	0.41 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	109 nF to 300 nF	0.87 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	0.300 μ F to 1.09 μ F	4.1 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	1.09 μ F to 3 μ F	7 nF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	3 μ F to 10.9 μ F	0.04 μ F	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	10.9 μ F to 30 μ F	0.09 μ F	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	30 μ F to 109 μ F	0.64 μ F	ECS-GCP-E-01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	109 μ F to 300 μ F	0.93 μ F	ECS-GCP-E-01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	0.300 mF to 1.09 mF	6.4 μ F	ECS-GCP-E-01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	1.09 mF to 3 mF	8.7 μ F	ECS-GCP-E-01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	3 mF to 10.9 mF	0.06 mF	ECS-GCP-E-01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	10.9 mF to 30 mF	0.12 mF	ECS-GCP-E-01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Capacitance	30 mF to 109 mF	1.5 mF	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance	(1 to <10) μ H	0.12	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance	(10 to <100) μ H	0.013	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance	(0.1 to < 1) mH	0.002	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Inductance	(0.001 to 1) H	0.0006	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	3 mV to 33 mV	0.01 mV	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	33 mV to 330 mV	0.06 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	0.330 V to 3.3 V	0.60 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	3.3 V to 33 V	5.9 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	33 V to 330 V	0.07 V	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Volt meter @ 40 Hz to 100 kHz (measure)	330 V to 1020 V	0.37 V	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	3 mV to 33 mV	3.9 μ V	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	33 mV to 330 mV	8.8 μ V	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	0.330 V to 3.3 V	0.04 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	3.3 V to 33 V	0.58 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	33 V to 330 V	8.4 mV	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC voltage meter (measure)	330 V to 1020 V	0.02 V	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	3 μ A to 33 μ A	0.04 μ A	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	33 μ A to 330 μ A	0.08 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	0.330 mA to 3.3 mA	5.9 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	3.3 mA to 33 mA	0.06 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	33 mA to 330 mA	0.58 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	0.330 A to 3 A	6.0 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	3 A to 20.5 A	0.06 A	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	DC Current meter/Clamp meter (measure)	20.5 A to 1000 A	0.6 % of Reading	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	3 μ A to 33 μ A	0.16 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	33 μ A to 330 μ A	0.55 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	0.330 mA to 3.3 mA	3.8 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	3.3 mA to 33 mA	0.02 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	33 mA to 330 mA	0.16 mA	ECS-GCP-E- 01:2022	P S

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Accreditation Scope

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Calibration Laboratory, (ISO/IEC 17025:2017)

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	0.330 A to 3 A	2.8 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	3 A to 20.5 A	14 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current meter/clamp meter @ 40 Hz to 1 kHz (measure)	20.5 A to 1000 A	0.8 % of Reading	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	0.1 Hz to 1 Hz	0.06 Hz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	1 Hz to 10 Hz	0.07 Hz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	10 Hz to 100 Hz	0.09 Hz	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	100 Hz to 1000 Hz	0.58 Hz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	1 kHz to 10 kHz	5.8 Hz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	10 kHz to 100 kHz	0.06 kHz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	100 kHz to 1000 kHz	0.58 kHz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Frequency (source)	1 MHz to 2 MHz	0.58 kHz	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	0.1 Ω to 11 Ω	0.50 m Ω	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	11 Ω to 33 Ω	0.68 m Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	33 Ω to 110 Ω	1.3 m Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	110 Ω to 330 Ω	10 m Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	0.33 k Ω to 1.1 k Ω	0.06 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1.1 k Ω to 3.3 k Ω	0.33 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	3.3 k Ω to 11 k Ω	0.46 Ω	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	11 kΩ to 33 kΩ	2.2 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	33 kΩ to 110 kΩ	4.6 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	110 kΩ to 330 kΩ	14 Ω	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	0.33 MΩ to 1 MΩ	0.05 kΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	1.1 MΩ to 3.3 MΩ	0.42 kΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	3.3 MΩ to 11 MΩ	1.8 kΩ	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	11 MΩ to 33 MΩ	19 kΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	33 MΩ to 110 MΩ	0.06 MΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	110 MΩ to 330 MΩ	1.4 MΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	Resistance (source)	0.33 GΩ to 1.1 GΩ	0.02 GΩ	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(1 to 500) μA	0.05 μA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(> 500 to 5000) μA	0.6 μA	ECS-GCP-E- 01:2022	P S

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Electricity. Magnetism. Electrical and magnetic measurements	AC Current	(> 5 to 50) mA	0.06 mA	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(0 to 500) μ A	0.05 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 500 to 5000) μ A	0.6 μ A	ECS-GCP-E- 01:2022	P S
Electricity. Magnetism. Electrical and magnetic measurements	DC Current	(> 5 to 50) mA	0.06 mA	ECS-GCP-E- 01:2022	P S
Thermodynamics and temperature measurements	K - type	(-199 to 1370) $^{\circ}$ C	0.04 $^{\circ}$ C	ECS-GCP-T- 01:2021	P S
Thermodynamics and temperature measurements	N - type	(-199 to 1300) $^{\circ}$ C	0.04 $^{\circ}$ C	ECS-GCP-T- 01:2021	P S
Thermodynamics and temperature measurements	R - type	(0 to 1700) $^{\circ}$ C	0.09 $^{\circ}$ C	ECS-GCP-T- 01:2021	P S

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Thermodynamics and temperature measurements	T – type	(-199 to 1370) °C	0.04 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	J – type	(-199 to 1200) °C	0.03 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	S – type	(10 to 1750) °C	0.1 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	E – type	(-199 to 990) °C	0.2 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	RTD-type: 385	(-189 to 660) °C	0.03 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Pt 100	(-189 to 660) °C	0.03 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	RTD-type: 3916	(-180 to 550) °C	0.2 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Freezer Oven Refrigerator Incubator Furnace	(-60 to 100) °C	0.41 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Freezer Oven Refrigerator Incubator Furnace	(100 to 1000) °C	1.5 °C	ECS-GCP-T-01:2021	P S

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Thermodynamics and temperature measurements	Freezer Oven Refrigerator Incubator Furnace	(-200 to 100) °C	0.3 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Freezer Oven Refrigerator Incubator Furnace	(100 to 420) °C	0.5 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	RTD / thermometer	(-40 to 200) °C	0.08 °C	ECS-GCP-T-01:2021	P
Thermodynamics and temperature measurements	Thermocouple / Bimetallic	(-40 to 200) °C	0.4 °C	ECS-GCP-T-01:2021	P
Thermodynamics and temperature measurements	Thermometer Temperature Sensor	(100 to 300) °C	0.6 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Thermometer Temperature Sensor	(300 to 600) °C	1.5 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Thermo-hygrometer Data loggers	(-20 to 60) °C	0.6 °C	ECS-GCP-T-01:2021	P
Thermodynamics and temperature measurements	Dry Block Temperature Calibrator	(-40 to 600) °C	0.2 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Infrared Thermometer	(50 to 200) °C	2.5 °C	ECS-GCP-T-01:2021	P S

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Thermodynamics and temperature measurements	Infrared Thermometer	(>200 to 500) °C	3.7 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Environment chambers/Rooms	(20 to 90) % RH (-20 to 60) °C	8 %RH 1.4 °C	ECS-GCP-T-01:2021	P S
Thermodynamics and temperature measurements	Hygrometers Temp. Humidity Indicators	(0 to100) %RH (-70 to180) °C	1.1 %RH 0.2 °C	ECS-GCP-T-01:2021	P
Measurement of force, weight and pressure	Torque Wrench, Torque Transducer, Torque screwdriver, Torque Calibrator	(0.2 to 2) N.m	1.8 % of Reading	ECS-GCP-TW-01:2021	P S
Measurement of force, weight and pressure	Torque Wrench, Torque Transducer, Torque screwdriver, Torque Calibrator	(>2 to 40) N.m	1.8 % of Reading	ECS-GCP-TW-01:2021	P S
Measurement of force, weight and pressure	Torque Wrench, Torque Transducer, Torque screwdriver, Torque Calibrator	(> 40 to 1500) N.m	1.8 % of Reading	ECS-GCP-TW-01:2021	P S
Measurement of force, weight and pressure	Tension load cell Tension machine	(Up to 5000) kg	0.3 % of Reading	ECS-GCP-LC-01:2023	P S
Measurement of force, weight and pressure	Tension load cell Tension machine	(>5000 to 20 000) kg	0.3 % of Reading	ECS-GCP-LC-01:2023	P S

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Measurement of force, weight and pressure	Compression load cell Compression machine	(Up to to 5000) kg	0.3 % of Reading	ECS-GCP-LC-01:2023	P S
Measurement of force, weight and pressure	Compression load cell Compression machine	(>5000 to 100 000) kg	0.26 % of Reading	ECS-GCP-LC-01:2023	P S
Acoustics and acoustic measurements	Sound Level Calibrator	94.0 dB 114 dB	0.40 dB	ECS-GCP-SL-08:2019	P
Acoustics and acoustic measurements	Sound Level Meter	94.0 dB 114 dB	0.42 dB	ECS-GCP-SL-08:2019	P
Measurement of time, velocity, acceleration, angular velocity	Centrifuges	(100 to 10000) RPM	0.05 % of Reading	ECS-GCP-E-09:2019	P S
Measurement of time, velocity, acceleration, angular velocity	Tachometer	(100 to 100000) RPM	0.01 % of Reading	ECS-GCP-E-09:2019	P S
Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	- 0.998 bar to 20 bar	4.2 mbar	ECS-GCP-P-01:2023	P S
Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	-1 bar to 0 bar	1.8 mbar	ECS-GCP-P-01:2023	P S

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Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	0 bar to 30 bar	3.9 mbar	ECS-GCP-P-01:2023	P S
Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	30 bar to 70 bar	0.05 bar	ECS-GCP-P-01:2023	P S
Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	70 bar to 700 bar	0.16 bar	ECS-GCP-P-01:2023	P S
Measurement of force, weight and pressure	Pressure / Vacuum Pressure Meters, Pressure Sensors, Pressure Transducers	700 To 2500 bar	1.5 bar	ECS-GCP-P-01	P S
Measurement of force, weight and pressure	Balance	(0.001 to 3) g	0.02 mg	ECS-GCP-M-01:2019	P S
Measurement of force, weight and pressure	Balance	(> 3 to 200) g	0.65 mg	ECS-GCP-M-01:2019	P S
Measurement of force, weight and pressure	Balance	(0 to 1000) g	0.82 mg	ECS-GCP-M-01:2019	P S
Measurement of force, weight and pressure	Balance	(0 to 5000) g	7.2 mg	ECS-GCP-M-01:2019	P S

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Measurement of force, weight and pressure	Balance	(0 to 20) kg	5.8 g	ECS-GCP-M-01:2019	P S
Measurement of force, weight and pressure	Balance	(0 to 1000) kg	0.06 kg	ECS-GCP-M-01:2019	P S
Measurement of force, weight and pressure	Weights	(1 to 500) mg	0.06 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	(1 to 10) g	0.06 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	20 g	0.07 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	50 g	0.09 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	100 g	0.16 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	200 g	0.3 mg	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	(500 to 1000) g	10 mg	ECS-GCP-M-02:2019	P S

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Measurement of force, weight and pressure	Weights	5 kg	0.1 g	ECS-GCP-M-02:2019	P S
Measurement of force, weight and pressure	Weights	20 kg	0.3 g	ECS-GCP-M-02:2019	P S
Linear and angular measurements	Micrometer	(0.5 to 25) mm	3 µm	ECS-GCP-D-01:2021	P S
Linear and angular measurements	Micrometer	(> 25 to 1000) mm	5 µm	ECS-GCP-D-01:2021	P S
Linear and angular measurements	Dial Gauge / Indicator	(0 to 150) mm	6 µm	ECS-GCP-D-01:2021	P S
Linear and angular measurements	Caliper	(0.5 to 300) mm	12 µm	ECS-GCP-D-01:2021	P S
Linear and angular measurements	Caliper	(> 300 to 1000) mm	30 µm	ECS-GCP-D-01:2021	P S
Linear and angular measurements	Inside diameter measurement	(0 to 300) mm	0.05 mm	ECS-GCP-D-02:2021	P S
Linear and angular measurements	Outside Diameter and thickness measurements	(0 to 1000) mm	40 µm	ECS-GCP-D-02:2021	P S
Linear and angular measurements	Depth measurement	(0 to 300) mm	0.05 mm	ECS-GCP-D-02:2021	P S
Linear and angular measurements	Protractor	0° – 180 °	0.3% of Reading	ECS-GCP-D-01:2021	P S

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Linear and angular measurements	Angle Measurement	0° – 180 °	0.3% of Reading	ECS-GCP-D-01:2021	P S
Measurement of volume, mass, density, viscosity	Micropipette	(20 to 2200) μ L	0.5 % of Reading	ECS-GCP-M-03:2021	P
Measurement of volume, mass, density, viscosity	Graduated Cylinder / Beaker / Flask/Burette/Dispenser/ Glassware	1ml to 220 ml	0.5 % of Reading	ECS-GCP-M-03:2021	P
Measurement of volume, mass, density, viscosity	Graduated Cylinder / Beaker / Flask/Burette/Dispenser/ Glassware	220 ml to 30 liter	0.06 % of Reading	ECS-GCP-M-03:2021	P
OXYGEN	GAS DETECTOR	0 to 100%	10%	ECS-GCP-GFA-01	P S
LEL	GAS DETECTOR	0 to 100%	10%	ECS-GCP-GFA-01	P S
H2S	GAS DETECTOR	0 to 100%	10%	ECS-GCP-GFA-01	P S
CO	GAS DETECTOR	0 to 100%	10%	ECS-GCP-GFA-01	P S
Measurement of volume, mass, density, viscosity	Air Flow	(0.5 to 100) SCCM	0.4 SCCM	ECS-GCP-AF-01	P S
Measurement of volume, mass, density, viscosity	Air Flow	(1.25 to 250) slpm	0.4 % of Reading	ECS-GCP-AF-01	P S

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هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



Accreditation Scope

Emirates Calibration Services, NAL 130
Calibration Laboratory, (ISO/IEC 17025:2017)

EMIRATES POST OFFICE BUILDING 3RD FLOOR , MUSSAFFAH M2 , ABU DHABI , UAE , Abu Dhabi,
United Arab Emirates

Issue Date: 06/05/2025

Expiry Date: 28/04/2028

Issue No: 4

Measurement of volume, mass, density, viscosity	Liquid Flow meter	0.5 to 100 Liter	1.5% of Reading	ECS-GCP- FM-01	P S
Illuminance	Light Meter	(0.01 to 20) klux	2%of Reading	ECS-GCP-LX- 01	P S
Vibration	Vibration Meter	(1 to 50) m/s @ 10 Hz to 100 Hz	8% of Reading	ECS-GCP- VM-01	P S
Vibration	Vibration Source / Table	(1 to 50) m/s @ 10 Hz to 100 Hz	10% of Reading	ECS-GCP- VM-01	P S
END					

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