

شهادة اعتماد

رقم 013 CL



يقر نظام الاعتماد العراقي بأن:

مختبر المقياس لخدمات الفحص وتجهيز المعدات والسيطرة النوعية محدودة المسؤولية

العراق - اقليم كردستان - اربيل - كسنزان - المنطقة الصناعية - البناية رقم 86 - البلك 5

تم اعتماده وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- معايرة درجة الحرارة
- معايرة الأبعاد
- معايرة العزم
- معايرة الضغط
- معايرة الكهرباء
- معايرة الجريان
- معايرة الكتلة
- معايرة سرعة الرياح
- معايرة السرعة

شروط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني

<https://iqas.mop.gov.iq>

يكون الاعتماد نافذا من 2025/8/10 الى 2027/8/9

تاريخ منح الاعتماد لأول مرة
2021/4/29

سقط

أ.د. محمد علي تميم
نائب رئيس مجلس الوزراء
وزير التخطيط

المهندس

عبد الواحد محمد ابراهيم
مدير عام الهيئة/ وكالة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. CL 013



Iraqi Accreditation System Certify that:

**Laboratory of Al-Miqias Company for
Inspection, Instrument Supply and Quality
Control Services Ltd.**

Iraq - Kurdistan Region- Erbil- Indl. Zone- Kasnazan- building No.86- Block 5

Is accredited according to the requirements of the standard ISO/IEC17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:

- | | | |
|---------------------------|---------------------------|----------------------|
| - Temperature Calibration | - Dimensional Calibration | - Torque Calibration |
| - Pressure Calibration | - Electricity Calibration | - Flow Calibration |
| - Mass Calibration | - Wind Speed Calibration | - Speed Calibration |

This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it
The most recent issue of the accreditation scope is available on IQAS website

<https://iqas.mop.gov.iq>

Accreditation is valid From 10/8/2025 To 9/8/2027

Initial accreditation date

29/4/2021


Eng. Abdul Wahid M. Ibrahim
Director General of IQAS


Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq - Kurdistan Region- Erbil- Indl. Zone- Kasnazan- building No.86- Block 5	Organization name: Laboratory of Al-Miqias Company for Inspection, Instrument Supply and Quality Control Services Ltd.	Accreditation no.: CL 013
Signature:  Eng. Abdul Wahid M. Ibrahim Director General of IQAS	Accreditation is valid: From 10/8/2025 To 9/8/2027	Issue no.: 003

Calibration Field	Type of Instrument or Material to be Calibrated or Measured	Measurand or reference material	Calibration Method	Measurement Range	Uncertainty (±)	Location
Temperature	Temp. Indicator / Data Logger / Recorder / Gauge / Digital Thermometer, RTD & TC with indicator	RTD (Pt-100) and K-type TC with Digital Thermometer, Dry Block Calibrator	CP/T-01 DKD-R-5-1, EURAMET- CG-08	-10 to 600 °C	0.18 to 0.85°C	Laboratory Premises Customer Premises
Temperature	Temp. Indicator / Data Logger / Recorder / Gauge / Digital Thermometer, RTD & TC without indicator	RTD (Pt-100) and K-type TC with Digital Thermometer, Dry Block Calibrator	CP/T-02 DKD-R-5-1, EURAMET- CG-08	-10 to 600 °C	0.3 to 1.12°C	Laboratory Premises Customer Premises
Temperature	Temperature Transmitter	RTD (Pt-100) and K-type TC with Digital Thermometer, Dry Block Calibrator	CP/T-07 DKD-R-5-1	-10 to 600 °C	0.18 to 0.85°C	Laboratory Premises Customer Premises
Temperature	Temperature Gauge	RTD (Pt-100) and K-type TC with Digital Thermometer, Dry Block	CP/T-08 OIML R 133	-10 to 600 °C	0.18 to 0.85°C	Laboratory Premises Customer Premises

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Temperature	IR Thermometer, Temperature Gun, Digital Pyrometer	Calibrator Black Body Radiation Source	CP/T-09 ASTM E2847	-15 to 500 °C	1.57 to 2.38°C	Laboratory Premises Customer Premises
Temperature	Liquid in Glass Thermometer	RTD (Pt-100) and K-type TC with Digital Thermometer, Liquid Bath	CP/T-10 OIML R 133	-10 to 180 °C	0.18 to 0.6°C	Laboratory Premises Customer Premises
Temperature	Thermal Mapping of Industrial Furnace, Oven, Chamber, Refrigerators, Freezers, Incubator	Temp. and Humidity Data Logger	CP/T-11 DKD R 5-7	10 to 50 °C 10 to 90 %RH	0.95°C 5.95 %RH	Laboratory Premises Customer Premises
Temperature	Temperature & Humidity Indicator, Thermo- Hygrometer,	Temp. and Humidity Data Logger	CP/T-13 DKD R 5-8	10 to 50 °C 10 to 90 %RH	0.73°C 1.43 %RH	Laboratory Premises Customer Premises
Temperature	Dry Block Calibrator, Water Bath, Industrial Furnace, Oven, Chamber, Freezers, Refrigerators, Incubator	RTD (Pt-100) and K-type TC with Digital Thermometer	CP/T-12 EURAMET- CG-13	-20 to 600 °C	0.15 to 0.51°C	Laboratory Premises Customer Premises

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Pressure	Analogue / Digital Pressure Gauge, Differential Pressure, Sensors, Pressure Transmitter, Differential Pressure Transmitter, Transducers (Pneumatic & Hydraulic)	Reference Pressure Gauge Additel ADT680, ADT681, ADT221A, Crystal Xp2i Hydraulic Pressure Comparator Additel ADT949 Dead Weight Tester DOS0015	CP/M-01,03 DKD-R 6-1, EURAMET-CG-17	-1 to 1200 bar	0.017 bar	Laboratory Premises Customer Premises
Pressure	Low Pressure Gauges, Analogue / Digital Pressure Gauge, Analogue / Digital Vacuum Gauges, Vacuum Transducers, Transmitters, Differential Pressure Gauges, Sensors, Transmitter and Transducer,	Reference Pressure Gauge Additel ADT680, ADT681, ADT221A, Crystal Xp2i Pneumatic Pressure Comparator	CP/M-02,05 DKD-R 6-2, EURAMET-CG-17	-1 to 1 bar	0.0007 bar	Laboratory Premises Customer Premises

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	(Pneumatic)					
Torque	Hand Torque Tools (All Types)	Tru-check 2 Plus Torque Tester	CP/M-07, ISO 6789-1 ISO 6789-2	10 to 2100 Nm	1.16%	Laboratory Premises Customer Premises
Mass	Weigh Scales, Analytical Balance, Top Loading Balance Class I and below	E2 Class Standard Weight 1mg to 5kg M1 Class Standard Weight 1g to 25kg	CP/M-14 OIML R 76	Up to 200g Up to 1kg Up to 3kg Up to 30kg Up to 100kg	0.0004g 0.007g 0.061g 1.88g 23.01g	Laboratory Premises Customer Premises
Mass	Standard Weights Class F1, F2, M1, M2 & M3	E2 Class Standard Weights, Analytical Balance, Electronic Balance	CP/M-13 OIML R 111	1 mg to 500 mg 1g 2g 5g 10g 20g 50g 100g 200g 500g 1kg 2kg 5kg 10kg 50kg	0.07 mg 0.08 mg 0.08 mg 0.08 mg 0.09 mg 0.12 mg 0.14 mg 0.20 mg 0.37 mg 61.11 mg 79.91 mg 87.47 mg 0.82 g 1.6 g 10.6 g	Laboratory Premises Customer Premises
Dimensional	Coating Thickness Gauge,	Coating Thickness Standard	CP/M-08, ISO 2808	24.1 to 3104µm	1.61 µm to 5.33 µm	Laboratory Premises Customer

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	Surface Profile Gauge, Dry Film Thickness Gauge					Premises
Dimensional	Ultrasonic Thickness Gauge	5 Step Block	CP/M-15 ASTME317	2.5 to 12.5 mm	0.01 mm	Laboratory Premises Customer Premises
Dimensional	Caliper (Vernier Dial & Digital) (Inside, outside, Depth)	Multifunction length Calibrator, Gauge Block Set, Cylindrical Depth Checker	CP/M-09 JIS B 7507	0 to 600 mm	0.009 mm	Laboratory Premises Customer Premises
Dimensional	Micrometer (Inside, outside, Depth)	Multifunction length Calibrator, Gauge Block Set, Cylindrical Depth Checker	CP/M-10 JIS B 7502	0 to 600 mm	0.009 mm	Laboratory Premises Customer Premises
Dimensional	Indicator (Dial / Digital)	Electronic Dial and Gauge Calibrator	CP/M-12 JIS B7503	0 to 50 mm	0.008 mm	Laboratory Premises Customer Premises
Electricity	Equipment to Measure DC Voltage	Multiproduct Calibrator 3050A	CP/E-02 EURAMET- CG-15	± (0 mV to 1000V)	0.15 %	Laboratory Premises Customer Premises
Electricity	Equipment to Measure AC Voltage	Multiproduct Calibrator 3050A	CP/E-02 EURAMET- CG-15	0 mV to 1000V @50Hz	0.44 %	Laboratory Premises Customer Premises
Electricity	Equipment to	Multiproduct	CP/E-01	± (0 μA to 22	0.21 %	Laboratory

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	Measure DC Current,	Calibrator 3050A	EURAMET- CG-15	A)		Premises Customer Premises
Electricity	Equipment to Measure DC Current, (Using Current Coil 2/10/50 turn)	Multiproduct Calibrator 3050A And Current Coil EA002	CP/E-01 EURAMET- CG-15	$\pm$ (20 A to 1000 A)	1.21 %	Laboratory Premises Customer Premises
Electricity	Equipment to Measure AC Current	Multiproduct Calibrator 3050A	CP/E-01 EURAMET- CG-15	0 μ A to 22 A	0.31 %	Laboratory Premises Customer Premises
Electricity	Equipment to Measure AC Current, (Using Current Coil 2/10/50 turn)	Multiproduct Calibrator 3050A And Current Coil EA002	CP/E-01 EURAMET- CG-15	20 A to 1000 A	1.21 %	Laboratory Premises Customer Premises
Electricity	Equipment To Measure Resistance (2- Wire)	Multiproduct Calibrator 3050A (Fixed Values)	CP/E-03 EURAMET- CG-15	0.1 Ω to 100 M Ω	0.006 Ω to 1.03 M Ω	Laboratory Premises Customer Premises
Electricity	Equipment To Measure Resistance (4- Wire)	Multiproduct Calibrator 3050A (Fixed Values)	CP/E-03 EURAMET- CG-15	10 Ω to 100 k Ω	0.013 Ω to 0.015 k Ω	Laboratory Premises Customer Premises
Electricity	Equipment To Measure Capacitance	Multiproduct Calibrator 3050A	CP/E-04 EURAMET- CG-15	10 nF to 1 μ F	1.7%	Laboratory Premises Customer Premises
Electricity	Equipment To Measure Frequency	Multiproduct Calibrator 3050A	CP/E-05 EURAMET- CG-15	1 Hz to 10 MHz	0.12%	Laboratory Premises Customer Premises

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Electricity	Equipment To Measure Insulation Resistance	Electrical Test Calibrator 3200B With EXHTV	CP/E-07 EURAMET-CG-15	0.01 MΩ to 10 GΩ	0.03 MΩ to 0.62 GΩ	Laboratory Premises Customer Premises
Electricity	Calibration of Holiday Detector	DC Crest Meter	CP/E-10 ASTM D5162	0 to 30 kV	0.29kV o 1.77kV	Laboratory Premises Customer Premises
Electricity	Calibration of Welding Machine	AC/DC Clamp Meter with Load Bank as a Source	CP/E-11 BS EN 50504	50 to 600 A	0.86%	Laboratory Premises Customer Premises
Electricity	Indicators of TC Type-K	Thermocouple Simulator Adaptor EA001 Multifunction Temperature Calibrator ADT221A	CPM/E-06 EURAMET-CG-11	-190 to 1370 °C	0.31 °C	Laboratory Premises
	Indicators of TC Type-J			-210 to 1200 °C	0.24 °C	Customer Premises
	Indicators of TC Type-T			-250 to 400 °C	0.17 °C	Customer Premises
	Indicators of TC Type-R			0 to 1760 °C	0.61 °C	Laboratory Premises
	Indicators of TC Type-S			0 to 1760 °C	0.61 °C	Customer Premises
	Indicators of TC Type-N			-200 to 1300 °C	0.30 °C	Customer Premises
				-250 to 1000 °C	0.19 °C	Laboratory Premises
				-200 to 850 °C	0.41 °C	Customer Premises

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	Indicators of TC Type-E					Premises Laboratory Premises Customer Premises
	Indicators for RTD's					Laboratory Premises Customer Premises
Electricity	Equipment to output DC Voltage	Digital Multimeter 5½ Digit	CPM/E-14 EURAMET- CG-11	± 1000V	0.01%	Laboratory Premises Customer Premises
Electricity	Equipment to output DC Current	Digital Multimeter 5½ Digit	CPM/E-13 EURAMET- CG-11	± 10 A	0.1%	Laboratory Premises Customer Premises
Electricity	Equipment to output Resistance	Digital Multimeter 5½ Digit	CPM/E-15 EURAMET- CG-11	0 to 100 MΩ	0.13%	Laboratory Premises Customer Premises
Electricity	Equipment to output Frequency	Digital Multimeter 5½ Digit	CPM/E-17 EURAMET- CG-11	20 Hz to 1 MHz	0.15%	Laboratory Premises Customer Premises
Electricity	Simulators of TC Type-K	Thermocouple Simulator Adaptor EA001 Multifunction Temperature Calibrator ADT221A	CPM/E-06 EURAMET- CG-11	-190 to 1370 °C	0.31 °C	Laboratory Premises Customer Premises
	Simulators of TC Type-J			-210 to 1200 °C	0.24 °C	
	Simulators of TC Type-T			-250 to 400 °C	0.17 °C	
				0.61 °C	0.61 °C	Laboratory Premises Customer Premises
				0.30 °C	0.30 °C	
				0 to 1760 °C	0.19 °C	
				0 to 1760 °C	0.41 °C	Laboratory Premises Customer Premises
				-200 to 1300 °C	0.41 °C	

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	Simulators of TC Type-R Simulators of TC Type-S Simulators of TC Type-N Simulators of TC Type-E Simulators for RTD's			-250 to 1000 °C -200 to 850 °C		Customer Premises Laboratory Premises Customer Premises Laboratory Premises Customer Premises Laboratory Premises Customer Premises Laboratory Premises Customer Premises Laboratory Premises Customer Premises
Flow	Liquid Volumetric Flow Meters	Coriolis Mass Flow Meter	CP/M-16 API MPMS Chapter 4.5,4.8	10 m ³ /hr to 140 m ³ /hr	0.02%	Laboratory Premises Customer Premises
Wind Speed	Anemometer	Digital Anemometer	CP/M-24 ISO 17713-1	0.4 to 30 m/s	0.3 m/s	Laboratory Premises Customer Premises
Speed	Digital Tachometer, RPM meter (non-contact)	Optical Tachometer Adaptor	CP/M-25 SANAS TR 45-02	0 to 60000 RPM	1.6%	Laboratory Premises Customer Premises