THE HASHEMITE KINGDOM OF JORDAN

Accreditation Unit

Jordanian Accreditation System
نظام الاعتماد الأردني
Accreditation Unit

Annex (1)

To the Accreditation Certificate No. JAS Cal. – 006 Dated 26-03-2024

For the Laboratory of MIKIAL for Calibration and Industrial Consultation (MCIC) /Amman

Scope of Accreditation

Temperature, Relative Humidity and Pressure Calibration

Permanent and Onsite

Measurand	*Measuring Range*	*Calibration and measurement Capability (CMC)* [a]	*Calibration Methods/ Standards/ Remarks*
Temperature			
Resistance Thermometers (PRTs) with Indicators	≥ -20 °C to 0 °C ≥ 0 °C to 50 °C ≥ 50 °C to 150 °C	0.18 K 0.19 K 0.16 K	SOP No. CA08001, date (04/02/2024), rev (7), FLUKE 9142 Dry Block, FLUKE 1502A & FLUKE 5615 Platinum Resistance Thermometer.
(Thermocouple with readout)	≥ -20 °C to 25 °C ≥ 25 °C to 150 °C @ 150 °C	0.65 K	In-House Method / SOP No. CA08001, date (04/02/2024), rev (7).
(Air Type Sensors)	≥ 10 °C to 50 °C	0.54 K	SOP No. CA08008, date (21/02/2023), rev (4). Rotronic HP32 Temp & Humidity Meter, MICHELL S904 Humidity & Temperature Calibrator, Calibration is carried out at 50 % RH
Relative Humidity			
Meters/ Indicators	(≥ 10 to 50) % RH (> 50 to 70) % RH (> 70 to 90) % RH	1.8 % RH 2.6 % RH 3.6 % RH	SOP No. CA08008, date (21/02/2023), rev (4). Rotronic HP32 Temp & Humidity Meter, MICHELL S904 Humidity & Temperature Calibrator, Calibration is carried out at 23° C
Pressure			
Pneumatic Pressure Gauge	-0.6 to <6 bar 6≤ to <10 bar 10 to 20 bar	32 mbar 60 mbar 0.6% of span	SOP No. CA08006, date (29/02/2024), rev (5). Digital Pressure Gauge, Model MD-S200-20BAR-0.2 Calibration is done (sequence C) according to DKDR-6-1:2014

a) The reported CMCs are expressed at approximately the 95 % level of confidence, using a coverage factor of k = 2.

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The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

List of employees in the laboratory who are technically responsible for issuing the calibration certificates in the scope of accreditation:

1. **Hussam A. Shraim, Calibration & Validation Section Head**
2. **Abdel Rahman Al Jawabrah, Quality Supervisor**
3. **Ismail Alkahatib, Calibration Technician**
4. **Samer Al- Lahham, Calibration Technician**
5. **Ahmad Al- Samdi, Calibration Technician**