



THE HASHEMITE KINGDOM OF  
JORDAN

Accreditation Unit



Annex (1)

Updated on: 02-12-2025

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) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
Temperature			
Resistance Thermometers (PRTs) with Indicators	≥ -20 °C to 0 °C	0.07 °C	SOP No. CA08001, date (04/02/2024), rev (7),
	≥ 0 °C to 25 °C	0.17 °C	
	≥ 25 °C to 75 °C	0.23 °C	
	≥ 25 °C to 75 °C	0.37 °C	
	≥ 75 °C to 125 °C	0.43 °C	
	≥ 125 °C to 150 °C	0.50 °C	
(Thermocouple with readout)	≥ -20 °C to 0 °C	0.59 °C	SOP No. CA08001, date (04/02/2024), rev (7).
	≥ 0 °C to 25 °C	0.63 °C	
	≥ 25 °C to 50 °C	0.67 °C	
	≥ 50 °C to 75 °C	0.63 °C	
	≥ 75 °C to 100 °C	0.78 °C	
	≥ 100 °C to 125 °C	0.84 °C	
	≥ 125 °C to 150 °C	0.92 °C	
Temperature and Relative Humidity			
Data Logger / Thermohygrometer & (Temp & Humidity sensor)	(≥ 10 to 30) % RH	1.9 % RH	SOP No. CA08008, date (14/10/2025), rev (5). Calibration is carried out at 23° C
	(> 30 to 70) % RH	2.5 % RH	
	(> 70 to <95) % RH	2.9 % RH	
	at 95% RH	3.2 % RH	
	≥ 10 °C to 50 °C	0.54 °C	SOP No. CA08008, date (14/10/2025), rev (5). Calibration is carried out at 50 % RH



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<b>Pressure</b>			
Pneumatic Pressure Gauge Sequence(c) only	-0.6 to 5 bar	31 mbar	SOP No. CA08006, date (29/02/2024), rev (5).
	>5 to 20 bar	0.6% of span	

a) The reported CMCs are expressed at approximately the 95 % level of confidence, using a coverage factor of  $k = 2$ . 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. Ahmad Al- Samdi, Calibration Technician