



THE HASHEMITE KINGDOM OF
JORDAN
Accreditation Unit



Annex (1)
Updated on:09/08/2022

To the Accreditation Certificate No. **JAS Cal. – 004** Dated **22-03-2018**
For The Laboratory at Rum for Calibration, Qualification and GMP Consultation/ Amman

Scope of Accreditation

Calibration of Temperature
(Calibration Location: RUM/ Permanent)

Measurand	Measuring Range	Calibration and measurement Capability (CMC) ^a	Calibration Methods/ Standards/ Remarks
Temperature Calibrators	$-35\text{ °C} \leq T < 100\text{ °C}$	0.6 °C	Comparison with Standard RTD SOP-T012, rev.1/e EURAMET Calibration Guide No. 13 Version 4.0 (09/2017) Revision date: 01/12/2021 Effective date: 01/12/2021
	$100\text{ °C} \leq T < 200\text{ °C}$	0.2 °C	
	$200\text{ °C} \leq T < 300\text{ °C}$	0.3 °C	
	$300\text{ °C} \leq T < 400\text{ °C}$	0.5 °C	
	$T = 400\text{ °C}$	0.7 °C	
Thermometers/ RTD thermometer	$-35\text{ °C} \leq T < 0\text{ °C}$	0.4 °C	Using Dry Block & Standard RTD SOP-T055, rev.1/e Revision date: 01/12/2021 Effective date: 01/12/2021
	$0 \leq T < 100\text{ °C}$	0.2 °C	
	$100\text{ °C} \leq T < 400\text{ °C}$	0.3 °C	
	$T = 400\text{ °C}$	0.5 °C	



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Measurand	Measuring Range	Calibration and measurement Capability (CMC) ^a	Calibration Methods/ Standards/ Remarks
Thermo Couples / Temperature Sensors with Indicators	$-35\text{ }^{\circ}\text{C} \leq T < 0\text{ }^{\circ}\text{C}$	0.9 °C	Using Dry Block & Standard RTD SOP-T055, rev.1/e Revision date: 01/12/2021 Effective date: 01/12/2021
	$0 \leq T < 50\text{ }^{\circ}\text{C}$	0.6 °C	
	$50\text{ }^{\circ}\text{C} \leq T < 100\text{ }^{\circ}\text{C}$	0.7 °C	
	$100\text{ }^{\circ}\text{C} \leq T < 200\text{ }^{\circ}\text{C}$	1.0 °C	
	$200\text{ }^{\circ}\text{C} \leq T < 300\text{ }^{\circ}\text{C}$	0.8 °C	
	$300\text{ }^{\circ}\text{C} \leq T < 400\text{ }^{\circ}\text{C}$	1.0 °C	
	$T = 400\text{ }^{\circ}\text{C}$	1.5 °C	

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. Huda Shaltaf: Quality Manager
2. Ala'a Dirani: Lab Supervisor
3. Eihab Al Doukh: Calibration and Qualification Engineer



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Annex (2)
Updated on:09/08/2022

To the Accreditation Certificate No. **JAS Cal. – 004** Dated **22-03-2018**
For The Laboratory at Rum for Calibration, Qualification and GMP Consultation/ Amman

Scope of Accreditation

Calibration of Pressure
(Calibration Location: RUM/ Permanent)

Measurand	Measuring Range	Calibration and measurement Capability (CMC) ^a	Calibration Methods/ Standards/ Remarks
Pneumatic Pressure (Pressure Gauge)	$0 \leq P \leq 16$ bar	0.11 bar	Using Pressure calibrator SOP-T016, rev.1/e Revision date: 01/12/2021 Effective date: 01/12/2021 According to the reference procedure DKD-R 6-1

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. Huda Shaltaf: Quality Manager
2. Ala'a Dirani: Lab Supervisor
3. Eihab Al Doukh: Calibration and Qualification Engineer