



THE HASHEMITE KINGDOM OF  
JORDAN  
**Accreditation Unit**



**Annex (1)**

**Updated on: 14/12/2025**

**To the Accreditation Certificate No. JAS Cal. - 009 Dated 21-02-2023**

**For Metrology Professionals LLC (MetrologyPro) / Amman**

**Scope of Accreditation**

**Calibration of Pressure, Temperature, Mass, Torque, Chemical, Acoustics, Volume,  
Rotational Speed and Time (Permanent and On-Site)**

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
Pressure (Calibration Location: Metro Lab/Permanent & On-Site)			
Pressure /Vacuum Meter	-350 mbar ≤ X≤ 350 mbar	0.5 mbar	Metpro_WI_029 Version No. (8) Date (28/9/2023)
	-1 bar < X ≤ 40 bar	0.03 bar	
	40 bar < X ≤ 400 bar	0.5 bar	
Temperature (Calibration Location: Metro Lab/ Permanent & On-Site)			
Resistance Thermometers/ RTD with indicator	-40 ≤ X ≤ 160 °C	0.2 °C	METPRO_WI_032, version No. (6), Date (1/11/2023).
	160 °C < X ≤ 420 °C	0.3 °C	METPRO_WI_049, version No. (6), Date (1/11/2023).
Thermocouple / Resistance Thermometers	-40 °C ≤ X ≤ 160 °C	0.2 °C	MetPro_WI_040, version No. (5), Date (28/9/2023)
	160 °C < X ≤ 400 °C	0.4 °C	
	400 °C < X ≤ 660 °C	0.6 °C	
Temperature block calibrator	-95 °C ≤ X ≤ 160 °C	0.25 °C	Metpro_WI_042 Version No. (6), Date 27/3/2024
Mass (Calibration Location: Metro Lab/ Permanent & On-Site)			
Non-Automatic weighing instruments Using class E2 standard weights	0.001g < X ≤ 83g	0.26mg	Metpro_WI_027, Version No. (10) Date (30/1/2025)
	83g < X ≤ 320g	3.0 mg	
Non-Automatic weighing instruments Using class F1 standard weights	320g < X ≤ 1000g	8.0 mg	
	1000g < X ≤ 3000g	13.0 mg	
	3000g < X ≤ 6000g	60.0 mg	
	6000g < X ≤ 10000g	0.12 g	
	10 kg < X ≤ 20 kg	0.25 g	
Non-Automatic weighing instruments Using class M1 standard weights	20 kg < X ≤ 200 kg	12g	
Conventional Class M1, M2, & M3	1mg	0.05 mg	Metpor_WI_028Version No. (07) Date (2/10/2024)
	2 mg	0.06 mg	
	5 mg	0.06 mg	
	10 mg	0.08 mg	
	20 mg	0.1 mg	
	50 mg	0.12 mg	
	100 mg	0.16 mg	
	200 mg	0.2 mg	
	500 mg	0.25 mg	
	1 g	0.3 mg	
	2 g	0.4 mg	
	5 g	0.5 mg	
	10 g	0.6 mg	
	20 g	0.8 mg	
	50 g	1.0 mg	
	100 g	1.6 mg	
	200 g	3.0 mg	
	500 g	8.0 mg	
	1 kg	16 mg	
	2 kg	30 mg	
	5 ka	80 ma	



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**Calibration of Pressure, Temperature, Mass, Torque, Chemical, Acoustics, Volume,  
Rotational Speed and Time (Permanent and On-Site)**

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
	10 kg	0.16 g	
	20 kg	0.3 g	
Torque (Calibration Location: Metro lab/ Permanent)			
Torque measurement	11 N.m < X ≤ 113 N.m	2.2 % * Reading	METPRO_WI_047, Version No. (6), Date (7/7/2022)
	113 N.m < X ≤ 1016 N.m	1.8 % * Reading	
Chemical (Calibration Location: Metro lab/ Permanent)			
Conductivity meter	147 µS/cm	5.0 µS/cm	METPRO_WI_066, version No. (3), Date (7/7/2022).
pH Meter/ Probe	4 pH	0.05 PH	METPRO_WI_066, version No. (3), Date (7/7/2022).
	7 pH		
	10 pH		
Acoustics (Calibration Location: Metro lab /Permanent)			
Sound level meter	94 dB	0.70 dB	,METPRO_WI_013 version No. (3), Date (7/7/2022).
	114 dB		
Volume (Calibration Location: Metro lab / Permanent)			
Piston-operated volumetric apparatus (except multi-channel pipette)	100 µL ≤ X ≤ 1000 µL	0.6 µL	METPRO_WI_050, Version No. (05), Date 15/5/2022
	1 mL< X ≤ 100ml	1.2 µL	
Volumetric flask	Up to 20 L	0.11 L	
Rotational Speed (Calibration Location: Metro lab/ Permanent & On-Site)			
Rotational speed (RPM)	60 RPM – 900 RPM	0.23 RPM	METPRO_WI_011, version No.(5), Date (7/7/2022 )
	901 RPM – 9000 RPM	1.5 RPM	
Time (Calibration Location: Metro lab/ Permanent & On-Site)			
Timer	Up to 60 sec	0.73 sec	Metpro_WI_05, Version 6, Date: 16/6/2023
	1 min to 60 min	0.018 min	
	1 hr to 24 hr	0.05 hr	
Stopwatch	Up to 1 hr	0.75 s	
	1 hr to 24 hr	3 s	

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

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2. Muath Madi: Quality Manager- Deputy of Technical Manager
3. Fouad Alremawi: Senior Technical Engineer.
4. .Nour Saleh: Technical Engineer/ Senior Sales Engineer



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Annex (2)

Updated on: 14/12/2025

Issued on: 29/10/2024

To the Accreditation Certificate No. JAS Cal. - 009 Dated 21/02/2023

For Metrology Professionals LLC (MetrologyPro)/Amman

Scope of Accreditation

Calibration of Mass, Humidity, Dimension and Electrical Quantity (Measuring, Sourcing)  
(Permanent and On-site)

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
<b>Humidity (Calibration Location: Metro Lab/ Permanent and on –Site)</b>			
Calibration of Data logger and Hygrometer	5% RH to 95% RH 2 °C to 58 °C	0.88 %RH (Reading) 0.2 °C	METPRO_WI_049 Version No. (6) Date 1/11/2023
<b>Mass (Calibration Location: Metro Lab/ Permanent)</b>			
Calibration of Conventional Mass Class F1 and F2	1 mg to 50 mg >50 mg to 2 g >2 g to 5 g >5 g to 50 g >50 g to 200 g >200 g to 500 g >500 g to 2 kg 5 kg 10 kg	0.015 mg 0.021 mg 0.038 mg 0.08 mg 0.22 mg 0.86 mg 0.96 mg 6.3 mg 8.4 mg	METPRO_WI_028 Version No. (7) Date 2/10/2024
<b>Dimension (Calibration Location: Metro Lab/ Permanent)</b>			
Calibration of Caliper	Up to 300 mm	0.01 mm	METPRO_WI_043 Version No. (7) Date 24/06/2024
Calibration of Micrometer	Up to 25 mm	0.002 mm	METPRO_WI_048 Version No. (10) Date 04/08/2024
Calibration of Dial Gauge	Up to 25 mm	0.011 mm	METPRO_WI_046 Version No. (6) Date 13/05/2024
Calibration of Ruler	Up to 1000 mm	0.76 mm	METPRO_WI_045 Version No. (5) Date 7/7/2022
Calibration of Angel	15° to 90°	0.4°	METPRO_WI_071 Version No. (3) Date 08/04/2025



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Scope of Accreditation

Calibration of Mass, Humidity, Dimension and Electrical Quantity (Measuring, Sourcing)  
(Permanent and On-site)

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
<b>Electrical Quantity (Calibration of measuring devices using comparison method (Calibration Location: Metro Lab/ Permanent))</b>			
AC Voltage (@ 50 Hz)	Up to 100 mV	0.15 mV	Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration.
	>100 mV to 1 V	0.0034 V	
	>1 V to 10 V	0.012 V	
	>10 V to 100 V	0.14 V	
	>100 V to 750 V	0.99 V	
AC Voltage (@ 1 kHz)	Up to 100 mV	0.19 mV	
	>100 mV to 1 V	0.0037 V	
	>1 V to 10 V	0.015 V	
	>10 V to 100 V	0.19 V	
	>100 V to 750 V	2 V	
DC Voltage	Up to 100 mV	0.015 mV	
	>100 mV to 1 V	0.0032 V	
	>1 V to 10 V	0.0047 V	
	>10 V to 100 V	0.0097 V	
	>100 V to 1000 V	0.1 V	
AC Current (@ 50 Hz)	Up to 400 mA	1.1 mA	
	>400 mA to 3 A	0.013 A	
	>3 A to 10 A	0.033 A	
	>10 A to 100 A	0.15 A	
	>100 A to 300 A	0.16 A	



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For **Metrology Professionals LLC (MetrologyPro)/Amman**

### Scope of Accreditation

**Calibration of Mass, Humidity, Dimension and Electrical Quantity (Measuring, Sourcing)**  
**(Permanent and On-site)**

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks	
	>300 A to 1000 A	0.17 A		
AC Current (@ 1 kHz)	Up to 400 mA	0.97 mA		
	>400 mA to 3 A	0.024 A		
	>3 A to 10 A	0.052 A		
AC Current (@ 400 Hz)	>10 A to 100 A	0.15 A		
	>100 A to 300 A	0.15 A		
DC Current	Up to 100 μA	0.13 μA		
	>100 μA to 400 mA	0.25 mA		
	>400 mA to 3A	0.0054 A		
	>3A to 10 A	0.019 A		
	>10 A to 200 A	0.058 A		
	>200 A to 400 A	0.059 A		
Electrical Quantity (Calibration of Measuring Device using Direct Method) (Calibration Location: Metro Lab/ Permanent)				
Resistance (4-wire)	Up to 10 Ω	0.58 Ω		Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration
	>10 Ω to 100 Ω	0.59 Ω		
	>100 Ω to 1 kΩ	0.0036 kΩ		
	>1 kΩ to 10 kΩ	0.012 kΩ		
	>10 kΩ to 100 kΩ	0.018 kΩ		
Resistance (2-wire)	>100 kΩ to 1 MΩ	0.0034 MΩ		
	>1 MΩ to 10 MΩ	0.046 MΩ		
	>10 MΩ to 100 MΩ	3.4 MΩ		



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Scope of Accreditation

Calibration of Mass, Humidity, Dimension and Electrical Quantity (Measuring, Sourcing)  
(Permanent and On-site)

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
	>100 MΩ to 900 MΩ	6.2 MΩ	
Frequency	100 Hz	0.0044 Hz	
	10 kHz	0.042 kHz	
	100 kHz	0.0054 kHz	
	300 kHz	0.0085 kHz	
	700 kHz	0.017 kHz	
	1 MHz	0.0059 kHz	
	<b>Electrical Quantity (Calibration of Sourcing Device using Direct Method) (Calibration (Location: on –Site)</b>		
Active power (@ 50 HZ)	Up to 750 kW	0.08kW	Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration
Reactive power (@ 50 HZ)	Up to 750 kVAr	0.019 kVAr	
Apparent power (@ 50 HZ)	Up to 750 kVA	0.11 kVA	
Power Factor	Up to 1	0.024 PF	
Electrical power Consumption	Up to 9999 kWh	2.1 kWh	
<b>Electrical Quantity (Calibration of Sourcing Device using Direct Method) (Calibration (Location: Metro Lab/ Permanent and on –Site)</b>			
Frequency	Up to 60 MHZ	0.0078 MHz	Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration
Resistance (4-wire)	1 Ω	0.58 Ω	
	10 Ω	0.58 Ω	
	100 Ω	0.58 Ω	
	1 kΩ	0.58 kΩ	
	10 kΩ	0.58 kΩ	



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Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
	100 k $\Omega$	0.58 k $\Omega$	Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration
Resistance (2-wire)	1 M $\Omega$	0.58 M $\Omega$	
	10 M $\Omega$	0.59 M $\Omega$	
	100 M $\Omega$	1.3 M $\Omega$	
DC Voltage	100 mV	0.038 mV	
	1 V	0.0033 V	
	10 V	0.0044 V	
	100 V	0.036 V	
	1000 V	0.37 V	
AC Voltage (10 Hz - 20 kHz)	100 mV	0.16 mV	
	1 V	0.0035 V	
	10 V	0.011 V	
	100 V	0.13 V	
	1000 V	1.2 V	
DC Current	100 $\mu$ A	0.13 $\mu$ A	
	1 mA	0.0087 mA	
	10 mA	0.012 mA	
	100 mA	0.14 mA	
	1 A	0.0034 A	
	3 A	0.0053 A	Metpro_WI_030 Version No.7 based on EURAMET cg- 15 Guidelines on the Calibration of
	10 A	0.019A	





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Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
AC Current (10 Hz - 5kHz)	100 $\mu$ A	0.18 $\mu$ A	Digital Multimeters (V.03) and NABAL 129 4. Electro-Technical Calibration
	1 mA	0.093 mA	
	10 mA	0.026 mA	
	100 mA	0.19 mA	
	1 A	0.0042 A	
	3 A	0.011 A	
	10 A	0.025 A	

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5. Ayman Harasis- Technical Engineer.
6. Saad Alrahamneh- Technical Engineer.
7. Lina Shaban- Technical Engineer.
8. Malak Abo Irshaid- Quality Engineer.
9. Abdullah Abu Samhadaneh- Technical Engineer.





**Annex (3)**

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**For Metrology Professionals LLC (MetrologyPro) / Amman**

**Scope of Accreditation**

**Calibration of Torque, Volume Temperature and Pressure (Permanent and On-Site)**

Measurand	Measuring Range	Calibration and measurement Capability (CMC) <sup>a</sup>	Calibration Methods/ Standards/ Remarks
<b>Torque (Permanent)</b>			
Torque Wrench	2.5 N.m to 11 N.m	2 % of reading	METPRO_WI_047, Version No. (7), Date 02/01/2023
<b>Volume (Permanent)</b>			
Piston-operated volumetric apparatus (except multi-channel pipette)	10 µL to 100 µL	0.65 µL	METPRO_WI_050, Version No. (5) Date (15/5/2025)
<b>Temperature (Permanent &amp; On-Site)</b>			
Thermometer/ Thermocouple	-85 C to -40 C	0.15 °C	METPRO_WI_040, Version No.5, Date (28/9/2023)
<b>Pressure (Permanent &amp; On-Site)</b>			
Pressure/ Vacuum meter	400 bar to 1000 bar	0.6 bar	METPRO_WI_029, Version No. (8), Date (28/9/2023)

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