

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Expert Power for Trading Est.

*Dhahran- Jubail Expressway Al Badia District,
Al- Qatif-32656, Dammam, Kingdom of Saudi Arabia
has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017*

*“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Calibration*

*This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.*



QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

A handwritten signature in black ink, appearing to read 'B. Rana', written over a horizontal line.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram', written over a horizontal line.

Prof. Vikram Kumar
Chair, CIA



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Fluid Flow Discipline- Flow measuring devices				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent Laboratory				
1.	Liquid Flow (Liquid flow meter, Flow switch, Liquid Rotameter, Flow Transmitter	Flow rate using comparison to Standard Ultrasonic Flowmeter	2.0 m ³ /hr to 30.0 m ³ /hr	0.43 %
2.	Flow meter	Totalizer of Flow meter(volume) using comparison to Standard liquid flowmeter	500 to 8000 litres	0.84%



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent and At Site Facility				
1.	AC Voltage Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	1 mV to 33 mV @50 Hz to 100 KHz	0.0025 mV
			33 mV to 330 mV @ 50 Hz to 300 KHz	0.012 mV
			0.3 V to 3.3 V @ 50 Hz to 300 KHz	0.11 V
			3.3 V to 33 V @ 50 Hz to 300 KHz	0.13 V
			33 V to 330 V @ 50 Hz to 1 KHz	0.14 V
			330 V to 750 V @ 50 Hz to 1 KHz	0.17V
2.	Resistance Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	0.1 Ω to 330 Ω	0.024 Ω
			0.3 k Ω to 1.1 k Ω	0.00077 k Ω
			1.1 k Ω to 11 K Ω	0.00083 K Ω
			11 K Ω to 110 K Ω	0.0024 K Ω



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
			110 K Ω to 330 K Ω	0.0055 K Ω
			0.3 M Ω to 3.3 M Ω	0.024 M Ω
			3.3 M Ω to 33 M Ω	0.063 M Ω
			33 M Ω to 330 M Ω	0.064 M Ω
3.	AC Current Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	0.1 to 0.33 mA @ 10 Hz to 5 KHz	0.3 mA
			0.33 to 3.3 mA@ 10 Hz to 5 KHz	0.0058 mA
			3.3 mA to 33 mA @ 10 Hz to 5 KHz	0.0073 mA
			33 mA to 330 mA@ 10 Hz to 5 KHz	0.024 mA
			0.3 A to 2.2 A@ 10 Hz to 5 KHz	0.0021 A
			2.2 A to 10 A@ 10 Hz to 5 KHz	0.0045 A
4.	Frequency Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	1 Hz to 200 Hz	0.0058 Hz
			200 Hz to 1200 Hz	0.058 Hz



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
			1.2 kHz to 12 KHz	0.0016 kHz
			12 kHz to 120 KHz	0.006 kHz
			120 KHz to 300 kHz	0.058 kHz
5.	AC High Voltage Measure	High Voltage Divider EXP-CP-ET-03 IS/IEC 60060-2: 2010.	1 KV to 150 KV @ 60 Hz	0.58%
6.	AC High Current Measure	TRMS Clamp Meter EXP-CP-ET-11 Euramet-cg-15	20 A to 2000 A @ 60 Hz to 1 kHz	0.4 A
7.	AC High Current Source	Flexible Current Probe EXP-CP-ET-11 Euramet-cg-15	1000 A to 10000A @ 60 Hz	0.71 A
At Permanent Laboratory				
8.	AC Voltage Source	Multi Product Calibrator EXP-CP-ET-01 Euramet-cg-15	1 mV to 50 mV @10 Hz to 10 KHz	0.0083 mV
			50 mV to 500 mV @10 Hz to 10 KHz	0.035 mV
			0.5 V to 5 V @ 10 Hz to 10 KHz	0.0022 V



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

*Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia*

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
9.	AC Current Source	Multi Product Calibrator EXP-CP-ET-01 Euramet-cg-15	5 V to 33 V @ 10 Hz to 10 KHz	0.0036 V
			33 V to 500 V @ 50 Hz to 10 KHz	0.19 V
			500 V to 1000 V @ 50 Hz to 10 KHz	0.24 V
			30 to 500 μ A @ 50 Hz to 10 KHz	0.055 μ A
			500 to 5000 μ A @ 50 Hz to 10 KHz	0.068 μ A
			5 mA to 50 mA @ 50 Hz to 10 KHz	0.014 mA
			50 mA to 400 mA @ 50 Hz to 10 KHz	0.057 mA
			0.4 A to 5 A @ 50 Hz to 1 KHz	0.0034 A
			5 A to 11 A 50 Hz to 1 KHz	0.0059 A
			1 A to 40 A @ 50 Hz	0.02 A
			40 A to 550 A @ 50 Hz	0.081 A
10.	AC Current Source/current shunt/Current Clamp	Multiproduct Calibrator/Universal Current		



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
		Injection set/Current Clamp EXP-CP-ET-02 Euramet-cg-15	550 A to 3000 A @ 50 Hz	1.5 A
11.	Resistance Source	Multi Product Calibrator/High Resistance Box EXP-CP-ET-01 & EXP-CP-ET-03	0.1 Ω to 50 Ω	0.0012 Ω
			50 Ω to 500 Ω	0.013 Ω
			0.5 k Ω to 5 k Ω	0.00034 k Ω
			5 k Ω to 50 k Ω	0.0017 k Ω
			50 k Ω to 500 k Ω	0.016 k Ω
			0.5 M Ω to 5 M Ω	0.00036 M Ω
			5 M Ω to 50 M Ω	0.0017 M Ω
			50 M Ω to 100 M Ω	0.48 M Ω
			100 M Ω to 500 M Ω	0.49 M Ω
			1 M Ω to 10 M Ω	0.11 M Ω



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
			10 M Ω to 100 M Ω	0.58 M Ω
			100 M Ω to 1000 M Ω	0.79 M Ω
			1 G Ω to 10 G Ω	0.01 G Ω
			10 G Ω to 100 G Ω	0.06 G Ω
			100 G Ω to 1000 G Ω	0.78 G Ω
			1 T Ω to 10 T Ω	0.29 T Ω
12.	Capacitance Source	Multiproduct Calibrator EXP-CP-ET-01 Euramet-cg-15	800 pF to 1 nF	0.014 nF
			1 nF to 10 nF	0.017 nF
			10 nF to 100 nF	0.17 nF
			100 nF to 1000 nF	0.34 nF
			1 μ F to 10 μ F	0.047 mF
			10 μ F to 100 μ F	0.11 mF



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
13.	Frequency Source	Multiproduct Calibrator EXP-CP-ET-01 Euramet-cg-15	10 to 100 Hz	0.0012 Hz
			100 Hz to 1000 Hz	0.0072 Hz
			1 kHz to 10 kHz	0.00015 kHz
			10 kHz to 100 kHz	0.00072 kHz
			100 KHz to 1000 kHz	0.0071 kHz
			1 MHz to 2 MHz	0.012 kHz
14.	AC High Voltage Source	High Voltage Hipot Test Set EXP-CP-ET-04 IS/IEC 60060-2: 2010.	1 KV to 150 KV @ 60 Hz	0.6%
15.	Temperature Simulation/Source RTD	Multi-Product Calibrator EXP-CP-ET-15 Euramet-cg-11	RTD PT100 -200 to 850 °C	0.07 %
16.	Temperature Simulation/Source Thermocouple	Multi-Product Calibrator EXP-CP-ET-15 Euramet-cg-11	K type -270 to 1300 °C	0.09 %
			J type -210 to 1200 °C	0.11 %
			R type -50 to 1750 °C	0.11 %

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



8 of 17

Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Alternating Current (Measure Mode)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
			S type -50 to 1750 °C	0.12 %
			B type 600 to 1800 °C	0.06 %
			T type -200 to 400 °C	0.12 %
			N type -200 to 1300 °C	0.11 %
			E type -200 to 1000 °C	0.09 %
17.	Temperature Measure RTD	Reference Multimeter EXP-CP-ET-15 Euramet-cg-11	RTD PT100 -200 to 650 °C	0.06 %
18.	Tan Delta Source	Tan Delta Reference Standard EXP-CP-ET-14 Euramet-cg-15	High Voltage 12 KV @ 60 Hz	0.0018 KV
			Capacitance @ 100 pF	0.015 pF
			dissipation factor in % @ Setting Knob 1 to 16	0.010 %



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Direct Current				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent and At Site Facility				
1.	DC Voltage Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	1 mV to 100 mV	0.0021 Mv
			100 mV to 330 mV	0.017 mV
			0.3 V to 3.3 V	0.0011 V
			3.3 V to 33 V	0.0003 V
			33V to 333 V	0.0045 V
			333 V to 1000 V	0.0096 V
2.	DC Current Measure	Reference Multimeter EXP-CP-ET-05 Euramet-cg-15	0.03 mA to 3.3 mA	0.00015 mA
			3.3 mA to 33 mA	0.0014 mA
			33 mA to 330 mA	0.013 mA
			0.3 A to 2.2 A	0.00041 A
			2.2 A to 10 A	0.0019 A



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Direct Current				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
3.	DC High Voltage Measure	High Voltage Divider EXP-CP-ET-03 IS/IEC 60060-2: 2010.	1 KV to 150 KV	0.71%
4.	DC High Current Measure	TRMS Clamp Meter EXP-CP-ET-11 Euramet-cg-15	20 A to 2000 A	0.8 A
At Permanent Laboratory				
5.	DC Voltage Source	Multi Product Calibrator EXP-CP-ET-01 Euramet-cg-15	1 mV to 50 mV	0.0013 mV
			50 mV to 500 mV	0.0074 mV
			0.5 V to 5 V	0.0005 V
			5 V to 50 V	0.001 V
			50V to 500 V	0.008 V
			500 V to 1000 V	0.013 V
6.	DC Current Source	Multi Product Calibrator EXP-CP-ET-01 Euramet-cg-15	30 μ A to 500 μ A	0.016 μ A
			500 μ A to 5000 μ A	0.17 μ A
			5 mA to 50 mA	0.0027 mA



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Electro- Technical Discipline- Direct Current				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
			50 mA to 400 mA	0.06 mA
			0.4 A to 5 A	0.00042 A
			5 A to 11 A	0.0022 A
7.	DC Current Source/current shunt/Current Clamp	Multiproduct Calibrator/Universal Current Injection set/Current Clamp EXP-CP-ET-02 Euramet-cg-15	1 A to 40 A	0.03 A
			40 A to 550 A	0.08 A
			550 A to 2000 A	1.6 A
8.	DC High Voltage Source	High Voltage Hipot Test Set EXP-CP-ET-04 IS/IEC 60060-2: 2010.	1 KV to 150 KV	0.57%



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Thermal Discipline- Temperature				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent Laboratory and At Site Facility				
1.	PRT/RTD with / without Indicator, TC with / without Indicator, Thermistor, Temperature Datalogger, Temperature Recorder, Digital Thermometer, Bimetallic Thermometer, Temperature Switch, Temperature Gauge	SSPRT DKD-R-5-1 by comparison method	(-)30 °C to 0 °C	0.35 °C
			0 °C to 100 °C	0.09 °C
			100 °C to 660 °C	0.11 °C
2.	TC with / without Indicator for Base Metals only, Temperature Datalogger, Temperature Recorder, Temperature Switch, Temperature Gauge	N Type TC with Indicator DKD-R-5-1 by comparison method	660 °C to 1100 °C	1.5 °C
At Permanent Laboratory				
3.	IR Thermometer, Thermal Image camera, Block body IR Calibrator, Radiation Thermometer, Pyrometer	IR Calibrator / IR Thermometer using MSL Technical Guide 22 / NIST IR 8098	(-)20 °C to 50 °C	2.0 °C
			50 °C to 500 °C	1.6 °C

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



13 of 17

Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Discipline- Pressure & Vacuum				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent and At Site Facility				
1.	Pneumatic Pressure Gauges, Pressure Transducers, Pressure Transmitters, Manometers, Chart Recorders	Pressure Calibrator DKD-R-6-1 by comparison method	0 -28 (bar)	0.017 bar
			28 - 40 (bar)	0.057 bar
			40- 63 (bar)	0.065 bar
			63-70 (bar)	0.19 bar
2.	Vacuum Pressure Gauges, Pressure Transducers, Pressure Transmitters, Manometers, Chart Recorders	Pressure Calibrator DKD-R-6-1 by comparison method	(-) 0.85- 0 bar	0.007 bar
3.	Hydraulic Pressure Gauges, Pressure Transducers, Pressure, Transmitters, Chart Recorders	Pressure Calibrator DKD-R-6-1 by comparison method	0 -700 (bar)	0.025 %
			700- 1200 (bar)	0.079 %

This is annexure to 'Certificate of Accreditation' and does not require any signature.

www.qai.org.in



14 of 17

Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Discipline- Pressure & Vacuum				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
4.	Safety / relief valve switch	Pressure Calibrator DKD-R-6-1 by comparison method	0 – 700 (bar)	0.9%



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Discipline- Torque Generating & Measuring Devices				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent Laboratory				
1.	Torque Wrench (digital/analog)	Semi-Automatic Torque Wrench Calibration System, EXP-CP-to R-01 based on ISO 6789	34 Nm to 340 Nm	0.69 %



Quality And Accreditation Institute

Centre for International Accreditation



Scope of Accreditation

Expert Power for Trading Est.

Dhahran- Jubail Expressway Al Badia District,
Al- Qatif- 32656, Dammam, Kingdom of Saudi Arabia

QAI/CIA/CL/2026/0007

Valid from: 29 August 2026

Valid until: 28 August 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Discipline- Dimensions (Basic Measuring Instruments, Gauges)				
Sl. No.	Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument	Calibration or Measurement Method or Procedure	Measurement Range and Additional Parameters Where Applicable (Range and Frequency)	*Calibration and Measurement Capability (CMC) ($\pm$)
At Permanent Laboratory				
1.	Caliper (Vernier / Dial / Digital)	Caliper Checker and Grade 0 Gauge Blocks ISO 13385-1	0 – 300 mm	10 μ m
2.			0 to 1000 mm	16 μ m
3.	External Micrometer	Grade 0 Gauge Blocks, Internal Micro Checker ISO 3611	0 to 100 mm	3.3 μ m
4.	Coating Thickness Gauge (Ferrous & NFe)	Coating Thickness Standard Defelsko Guideline	0 to 1500 μ m	4.8 μ m
5.	Steel Ruler, Glass Scale	Profile Projector	0 to 150 mm	0.60 mm
6.	Crimping Tool (Die and Go/No Go set)	Profile Projector	0 to 25 mm	2.5 μ m

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of $k = 2$.

