KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION

KENGEN CALIBRATION CENTRE

ISO/IEC 17025:2017

Calibration Laboratory Number: **KENAS/CL/051**

PERMANENT ADDRESS OF LABORATORY

P. O. BOX 230 - 10200 MURANG'A, KENYA

KENGEN - TANA POWER STATION

MURANG'A, KENYA

Tel: +254 711036841, +254 711035740

Email: kgncalibcentre@kengen.co.ke

Website: www.kengen.co.ke

Contact Person:

Irene Gichohi

Technical Signatories:

1. Irene Gichohi – Pressure/ Electrical/ Temp
2. Kennedy Mwebia - Pressure /Electrical/Temp
3. Anthony Mwema - Pressure /Electrical/Temp

Expiry Date: 20-December-2027

Approved by: 

Date: 30-October-2024

KENAS ~~CEO~~/ Authorized Representative



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SCHEDULE OF ACCREDITATION – KENGEN CALIBRATION CENTRE

1.0 Calibration Field: Pressure

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
Pressure Gauges	Pressure	**Internal:** UTN/OPD/EAE/CEW/WI/21 **Reference** Guideline DKD-R 6-1	Automatic Pressure Calibrator **Traceability** BS/MET/5/3/81/112	-1 Bar to 200 Bar	± 0.018 %	KenGen Calibration Centre
				0 Bar to 700 Bar	± 0.075 %	Client Sites

2.0 Calibration Field: Temperature

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
Contact Thermometers, Temperature Baths	Temperature	**Internal:** UTN/OPD/TSS/CEW/WI/22 **Reference:** DKD-R 5-1	Temperature Bath **Traceability** KEBS/MET/4/3/131/011 Standard Platinum Resistance Thermometers (SPRT) **Traceability** KEBS/MET/4/3/131/163	-30 °C to 600 °C	± 0.2 °C	KenGen Calibration Centre and Client Sites

3.0 Calibration Field: Electrical

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
Digital Multimeter Clamp Meter Voltmeter	DC Voltage	**Internal:** UTN/OPD/TSS/CEW/WI/23 **Reference:** Guidelines on the Calibration of Digital	AC/DC Calibrator, Time Electronics Model 7051 **Traceability** BS/MET/9/3/71/096 Decade Resistance Box, Time Electronics, Model 1040	**DC Voltage**		KenGen Calibration Centre and Client Sites
				Up to 100 mV	$\pm 0.60 \cdot 10^{-3}$ mV	
				>100 mV to 1 V	$\pm 3.70 \cdot 10^{-6}$ V	
				>1 V to 10 V	$\pm 7.60 \cdot 10^{-6}$ V	

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
Ammeter Process calibrators Microohm meters Resistance Meters Insulation Resistance Meters	AC Voltage DC current AC Current Resistance	Multimeters EURAMET cg-15	**Traceability** BS/MET/9/3/70/186 Microohm meter calibrator, Time Electronics, Model DuctorCal5070 **Traceability** BS/MET/9/3/71/015 Insulation Resistance Calibration Module, Time Electronics, Model 5069 **Traceability** BS/MET/9/3/70/152	>10 V to 1000 V	$\pm 0.30 \cdot 10^{-3}$ V	
				AC Voltage		
				100 mV to 100 V; 60 Hz to 1 kHz	$\pm 0.80 \cdot 10^{-3}$ V	
				>100 V to 1000 V; 60 Hz to 1 kHz	$\pm 3.90 \cdot 10^{-3}$ V	
				DC Current		
				Up to 10 mA	$\pm 18.5 \cdot 10^{-6}$ mA	
				>10 mA to 1 A	$\pm 34.7 \cdot 10^{-6}$ A	
				>1 A to 10 A	$\pm 0.10 \cdot 10^{-3}$ A	
				>10 A to 19 A	$\pm 58.5 \cdot 10^{-6}$ A	
				AC Current		
				10 mA to 19 A; 60 Hz to 200 Hz	$\pm 0.40 \cdot 10^{-3}$ A	
				DC Resistance		
				1 Ω	$\pm 0.30 \cdot 10^{-6}$ Ω	
				>1 Ω to 1 MΩ	$\pm 9.0 \cdot 10^{-6}$ Ω	
Multifunction calibrators Process calibrators Power supplies Voltage/Current sources Precision Multimeters Resistance Decade Boxes	DC Voltage AC Voltage DC current AC Current	**Internal:** UTN/OPD/TSS/CEW/WI/24	AC/DC Calibrator, Time Electronics Model 7051 (measure mode) **Traceability** BS/MET/9/3/71/096 Precision Multimeter, Time Electronics, Model 5075 **Traceability** BS/MET/9/3/70/148	**DC Voltage**		KenGen Calibration Centre and Client Sites
				Up to 100 mV	$\pm 0.60 \cdot 10^{-3}$ mV	
				>100 mV to 1 V	$\pm 3.70 \cdot 10^{-6}$ mV	
				>1 V to 10 V	$\pm 7.60 \cdot 10^{-6}$ V	
				>10 V to 1000 V	$\pm 0.30 \cdot 10^{-3}$ V	
				AC Voltage		
				100 mV to 100 V; 60 Hz to 1 kHz	$\pm 0.80 \cdot 10^{-3}$ V	
				>100 V to 1000 V; 60 Hz to 1 kHz	$\pm 3.90 \cdot 10^{-3}$ V	
				DC Current		
				Up to 10 mA	$\pm 18.5 \cdot 10^{-6}$ mA	
				>10 mA to 1 A	$\pm 34.7 \cdot 10^{-6}$ A	
				>1 A to 10 A	$\pm 0.10 \cdot 10^{-3}$ A	
				>10 A to 19 A	$\pm 58.5 \cdot 10^{-6}$ A	

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
	Resistance			AC Current		KenGen Calibration Centre and Client Sites
				10 mA to 19 A; 60 Hz to 200 Hz	$\pm 0.40 \cdot 10^{-3}$ A	
				DC Resistance		
				1 Ω	$\pm 0.30 \cdot 10^{-6}$ Ω	
				>1 Ω to 1 MΩ	$\pm 9.0 \cdot 10^{-6}$ Ω	

*The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor k = 2, corresponding to a confidence level of approximately 95%.

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	21-Dec-2023	21-Dec-2023	20-Dec-2027

This schedule is issued subject to the terms and conditions of KENAS Accreditation. It supersedes any other schedule(s) issued in the past

Approved by: Date: 30-October 2024

KENAS ~~CEO~~/ Authorized Representative