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

INSTRUMENTATION LTD

ISO/IEC 17025:2017

Calibration Laboratory Number: **KENAS/CL/005**

PERMANENT ADDRESS OF LABORATORY

P. O. BOX 44356-00100 NAIROBI, KENYA

BUILDING NO. 37, WILSON AIRPORT

Tel. No. +254 705511600

E-mail : calibration@instrumentkenya.com

Website: www.instrumentkenya.com

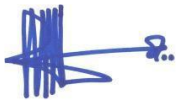
Laboratory Contact Person:

Peter Nyawade

Technical Signatories:

1. Peter Nyawade - Pressure/Temp/Elec/Rotary Speed/ Force& Torque/Dimensional
2. Kipsang Kipsetim Press/Temp/Elec/Rotary Speed/ Force& Torque/Dimensional
3. Mahmoud Mir - Pressure/Temp/ Elec /Rotary Speed/ Force& Torque/Dimensional

Expiry Date: 03-December-2027

Approved by:  Date: 27-August-2025

KENAS CEO/ Authorized Representative

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SCHEDULE OF ACCREDITATION – INSTRUMENTATION LIMITED

1.0 Calibration Field: Pressure

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Calibration Site
Bourdon tube Pressure Gauges	Pressure	**Internal Procedure:** IL/CP-Press-01 **Reference:** Guideline DKD-R 6-1:2014	Reference Digital Pressure Gauge serial NIN2305 P015 **Traceability:** KEBS/MET/5/3/84/166	-1bar to 40bar	± 0.1% fsd	Instrumentation Laboratory and Client Sites
			Reference Digital Pressure Gauge serial NIN2411 P279 **Traceability:** NIE/QAL/CAC/2024-2025/P192	0 bar to 700 bar	± 1 % **fsd**	

2.0 Calibration Field: Electrical AC/DC

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) (±expanded uncertainty)	Calibration Site
Digital Multimeters, Voltmeters, Ammeters, Battery chargers, Power supplies, Capacitance meters, Insulation Testers, Megger Testers.	AC Voltage	**Internal Method:** IL/CP-ACDC-01 **Reference:** EURAMET Cg-15	Fluke 5080A Multifunction Calibrator **Traceability** KEBS/MET/9/3/80/036 Fluke 8845A 6 ½ Digit Precision Multimeter **Traceability** KEBS/MET/9/3/80/036 JJ Instruments R603 Decade Resistance Box **Traceability** KEBS/MET/9/3/78/127 RMS 10GΩ-10KV High Voltage Resistance Box **Traceability:** 911325-3	(100mV to 1000V, 60 Hz)	± 2.0×10^{-3} V	IL Laboratory and Client Sites
	DC Voltage			(100mV to 1000V, 0 Hz)	± 0.3×10^{-3}V	
	DC Current			(0.1A to 10A, 0 Hz) (10A to 20A, 0 Hz)	± 4.0×10^{-3}A ± 12.0×10^{-3}A	
	AC Current			(0,1A to 10A, 60 Hz) (10A to 20A, 60 Hz)	± 6.0×10^{-3}A ± 6.2×10^{-3} A	
	Resistance			(0,1Ω to 10 Ω) Insulation resistance values from a short circuit to 190 KΩ (1MΩ to 100 MΩ)	± 2.0×10^{-3} Ω ± 1.6×100 MΩ	

3.0 Calibration Field: Rotary Speed

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Tachometers, Centrifuges, RPM Indicators	Revolution	**Internal Method:** IL/CP-TACH-OI **Reference:** **BS 3403**	Optical Tachometer **Traceability:** KEBS/MET/7/3/57/476	60rpm to 60,000rpm	±44rpm	IL Laboratory and Client Sites

4.0 Calibration Field: Dimension

Equipment to be Calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) (+expanded uncertainty	Calibration site
Vernier calliper	Length	**Internal Method :** IL/CP-DIME-01 Part 1.0 **Reference:** ISO 13385-1:2020	Gauge Blocks Grade 2 **Traceability:** 25-4974 and 25-4975	0 mm to 300 mm	±0.009 mm	IL Laboratory and Client Sites
External micrometer		Internal Method : IL/CP-DIME-01 Part 2.0 **Reference:** ISO 3611:2023		0 mm to 50 mm	±0.009 mm	
Dial gauge		**Internal Method :** IL/CP-DIME-01 Part 3.0 **Reference:** ASME.B89.1.10M:2001		0 mm to 10 mm	±0.009 mm	
Inclinometer, digital level	Angle	**Internal Method :** IL/CP-DIME-01 Part 4.0 **Reference:** BS 3064:1978		0° to 90°	±0.06°	

5.0 Calibration Filed: Force & Torque

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) (± expanded uncertainty)	Calibration Site
Torque Wrenches	Torque	**Internal Method:** IL/CP-TRQ-01 **Reference:** ISO 6789-1 & 2	SUSHMA Torque Tester and Torque Transducer (0-5N.m) s/no: TS16-0184 **Traceability:** SCPL/CC/1277/07/2024-2024 Torque Transducer (0-20N.m) s/no: TS16-0185 **Traceability:** SCPL/CC/1278/07/2024-2024	0 to 5 N.m 0 to 20 N.m 0 to 100 N.m	±0.29% ±0.19% ±0. 06%	IL Laboratory and Client Sites

			Torque Transducer (0-100N.m) s/no: TS16-0186 **Traceability:** SCPL/CC/1284/07/2024-2024 Torque Transducer (0-500N.m) s/no: TS20-0187 **Traceability:** SCPL/CC/1285/07/2024-2024 Torque Transducer (0-2000N.m) s/no: TS16-0188 **Traceability:** SCPL/CC/1279/07/2024-2024	0 to 500 N.m 0 to 2000 N.m	±0.29% ±0.20%	
Cable Tensiometers Spring Scales Force gauges and force scales, and Hydraulic Jacks Proof load checks	Force (Newton) (0 to 5000N) (0 to 250KN)	**Internal Method:** IL/CP-FORC-01 **Reference:** ISO 7500-1	Digital Force Gauge **Traceability:** KEBS/MET/3/3/60/486 Force Gauge and Load Cell **Traceability:** 99989S 7895 92517S-A	(0 to 5000N) (0 to 250KN)	±0.99% ±1.0%	IL Laboratory and Client Sites

6.0 Calibration Filed: Temperature

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Enclosed chambers	Temperature	**Internal Method:** IL/CP/TEMP-04	Multifunction Calibrator **Traceability:** KEBS/MET/4/3/138/288	-40° C to 350° C	±5.0°C	IL Laboratory and Client Sites
Non-contact & Contact Thermometers		**Internal Method:** IL/CP/TEMP-02 **Reference:** OIML R 133	Infrared Thermometer **Traceability:** KEBS/MET/4/25/04/140/104	-20° C to 650° C	±1.5°C	
Thermocouple Temperature Indicators		**Internal Method:** IL/CP/TEMP-03 **Reference:** EA-4/02 M:2022	Thermo-hygrometer **Traceability:** KEBS/MET/4/3/140/012	-40° C to 1750° C	±1.5°C	
Resistance Indicators		IL/CP/TEMP-01A B **Reference:** EA-4/02 M:2022	Thermoprobe-Type K sensor **Traceability:** KEBS/MET/4/3/133/203	-40^0 C to 540^0 C	±0.6°C	
Infra-red Thermometers		**Internal Method:** IL/CP/TEMP-05 **Reference:** ASTM E2847-14 EA-4/02 M:2022		10° C to 100° C	±3.0°C	

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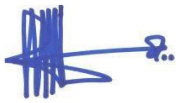
Enclosed Humidity /Climatic Chambers		**Internal Method:** IL/CP/TEMP-06 **Reference:** DKD_R_5_8_2019-Guideline		0° C to 40° C (20% to 90%) Rh	±5.0°C	

*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	04-Dec-2012	04-Dec-2012	03-Dec-2015
1st Re-accreditation	15-Apr-2016	15-Apr-2016	03-Dec-2018
2nd Re-accreditation	30-Sep-2019	30-Sep-2019	03-Dec-2023
3rd Re-accreditation	21-Dec-2023	21-Dec-2023	03-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: 27-August-2025

KENAS CEO/ Authorized Representative