

IQTS

IDEAL QUALITY TRAIL SYSTEMS LTD

COMPANY PROFILE



We measure for your safety and reliability

Calibration
&
Instrumentation

(Calibration, Repair & Maintenance)

ACCREDITED LABORATORY NO: KENAS/CL/27



QUALITY POLICY

BACKED BY A WEALTH OF EXPERIENCE AND EXPERTISE, IQTS IS COMMITTED TO CUSTOMER SATISFACTION THROUGH PROVISION OF HIGH QUALITY SERVICES IN RESPECT TO THE REQUIREMENTS OF ISO 17025:2017 (E).



Introduction:

We are pleased to introduce Ideal Quality Trail Systems, a limited liability Company, and the wide range of services we offer, in the field of Calibration and Instrumentation (Service and Maintenance).

These diverse services enable our clients to meet their quality assurance, safety and maintenance needs from a single source.

Calibration and Instrumentation, when properly applied, are valuable tools in determining the quality and/or acceptability of a material/product.

We are registered and accredited by the Kenya Accreditation Service (KENAS) as a Calibration Laboratory, upon satisfying the requirements of ISO/IEC 17025:2017.

Why Should I Calibrate?

Lifetime Accuracy

All instruments lose accuracy over time due to normal usage and the environmental conditions to which they are exposed. Periodic calibrations maintain the accuracy of your devices throughout their lives.

Quality Control

Routine calibrations that include both before and after calibration data are the only ways to prove that measuring instruments are accurate and can identify out-of-tolerance conditions.

Regulatory Compliance

A variety of regulations, including the FDA, GMP, HAACP, USDA, ISO 9000, ISO 14000, ISO 17025, JCAHO, CDC, and EPA, require strict adherence to regular calibration schedules and documentation of Instrument monitoring accuracy.

Liability

Documented proof of due diligence in adhering to calibration schedules and standards, including before and after data, can protect you from liability claims

Our experience is your guarantee for efficient and quality services



Our Manpower:

Ideal Quality Trail Systems Ltd. has a highly competent, focused and experienced team of local professionals with solid credentials in the field of Control and Instrumentation, Mechanical, Electronics and Electrical Engineering.

The undersigned Eng. Cornelius Kuria is in charge of the Calibration and Instrumentation Departments.

He holds a degree in Control and Instrumentation Engineering from Jomo Kenyatta University of Agriculture and Technology.

Prior to joining Ideal Quality Trail Systems Ltd., he worked in the Instrumentation Laboratory at Kenya Bureau of Standards.

VISION

To provide internationally recognized, reliable and efficient Calibration and Instrumentation services.

MISSION

To develop a multi-specialized engineering consultancy firm, Providing a complete range of high standard professional Services both locally and regionally in the fields of Calibration and Instrumentation.



Our experience is your guarantee for efficient and quality services



OUR RANGE OF SERVICES:

1. Calibration:

Calibration activities carried out not only conform to the requirements of ISO/IEC 17025 2017 (E), but also meet the specific needs of our customers in strict adherence to all conditions of Accreditation.

We are committed to providing quality Calibration services to all customers.

The following are some of the equipments we calibrate:

PRESSURE CALIBRATION:

- Hoses Pressure Testing - Air/Steam/water/Pressure hoses
- Pressure Safety Relief Valves
- Pilot Operated Safety Relief Valves
- Pressure reducing valves
- Magnehelic Gauges
- Industrial Pressure Gauge (bourdon tube)
- All Test Pressure Gauges
- Vacuum Gauges (other types)
- All types of Tyre Pressure Gauges
- Sphygmomanometer (Blood pressure Gauge)
- Combination gauge (vacuum & normal pressure gauge)
- Force test gauge (bourbon tube)
- Gas regulators for welding & allied equipment



Our experience is your guarantee for efficient and quality services



THERMOMETRY CALIBRATION:

The following are some of the equipments we calibrate:

Wet / Dry Bulb Thermometer
Max / Min wall Thermometer
Cold Rooms-Thermal Mapping
Contact Thermometers
Dial Gauge Thermometers
Digital Thermometers (Including Probe)
Resistance Thermometers
General Laboratory Glass Thermometers /std
Thermocouple
Digital Indicators (Temperature)
Temperature Controller
Ovens
Furnaces
Incubators
Autoclave
T/C Potentiometers
Water Bath
Oil Bath
Clinical Thermometers
Humidity / Temperature Recorders
Humidity Meter
Driers
Humidity Cabinets



Our experience is your guarantee for efficient and quality services

THERMAL MAPPING & HEAT PENETRATION



**GPRS Data Logger
with multipoint sensors**



Purpose

To establish heat distribution within the Autoclave / Proofer / warehouse / cold room.

Preview

Temperature mapping is a critical step in the validation process. It involves an environmental study of your facility, which involves strategically placing temperature and humidity sensors in your facility to prove that the environment is both uniform and stable within acceptable ranges.

Before, during and after the manufacturing process, the components and finished products are subjected to extreme hot or cold temperatures. To ensure the safety and efficiency of your products, all storage and manufacturing facilities must be temperature mapped to show that storage and transportation conditions are not harmful to your products.

Mapping Studies

Large mass items can have a temperature lag as compared to the Autoclave / Proofer / cold room / warehouse temperatures. This is usually as a result of energy transfer. As such, probes should be positioned to measure heat penetration.

The purpose of the heat penetration measure is to:

- Evaluate the effectiveness of energy delivery to the load.
- Determine the time required for the item to achieve the set temperature.

Acceptance Criteria

- There shall be uniform heat distribution within the Autoclave / Proofer / cold room / warehouse.
- All temperature monitoring points shall have attained the set temperature.
- The temperature shall have been maintained at all temperature monitoring points

Our experience is your guarantee for efficient and quality services



DENSITY/VISCOSITY CALIBRATION:

The following are some of the equipments we calibrate:

Hydrometer

Density Cup

Density Meters

Viscometers

Refractometer

Penetrometer-(Inspection / verification)



ACOUSTICS & VIBRATION CALIBRATION:

The following are some of the equipments we calibrate:

Sound Level Meters

Vibration Sensors and Meters

Audiometers

Noise Surveys



Our experience is your guarantee for efficient and quality services



LENGTH CALIBRATION:

The following are some of the equipments we calibrate:

Micrometer for external/internal measurement

Micrometer heads

Setting rods

Vernier callipers

Dial test indicator & gauges of linear measurement

Limit gauges/Go not Go gauges

Plug, ring and calliper gauges

Vernier / Micrometer depth gauges

Vernier height gauges

Thickness gauges

Bevel protractors

Gauge maker

Tachometers

Magnetic stirrer

Centrifuge

Dipping tapes

Skirt angle gauge

Tape measurement



Our experience is your guarantee for efficient and quality services



VOLUME / FLOW CALIBRATION:

The following are some of the equipments we calibrate:

Oil Meters

Water meters

Gas meters

Volumetric glassware

Tanks



The following are some of the equipments we calibrate:

AC / DC CALIBRATION:

Multimeters

pH meters

Conductivity meters

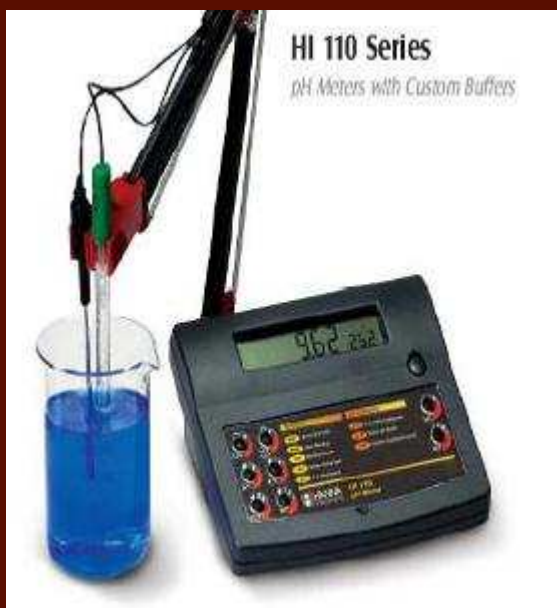
Turbidity meters

Voltmeters & Ammeters

AC / DC bridges

Rectifiers

Polarimeters



Our experience is your guarantee for efficient and quality services



PHOTOMETRY CALIBRATION:

The following are some of the equipments we calibrate:

Photometers

Spectrophotometers

Colorimeters

Atomic Absorption spectrophotometers

Flame photometers

Luxmeters

Luminous intensity lamps



The following are some of the equipments we calibrate:

TIME & FREQUENCY CALIBRATION:

Stopwatches

Clocks

Chronographs

Timers



Our experience is your guarantee for efficient and quality services



FORCE CALIBRATION:

The following are some of the equipments we calibrate:

Load cell
Proving ring
Compression/tensile testing machine
Proving column
Dynamometers
Universal testing machine
Hardness tester
Tensiometers
Torque meter
Torque wrench
Torque watch
Torque gauge
Load testing machine
Concrete test machine



Our experience is your guarantee for efficient and quality services



MASS LABORATORY

BALANCES

Up to 3 kg

3 kg-60 kg

60 kg-300kg

300kg-3000kg

Weigh Bridges

Batching plants

MASSES

Class M1 Set

Class F2 Set

Class F1 Set

Class E2 Set

MOISTURE INSTRUMENTS

Moisture content balance

Moisture content Instrument



Our experience is your guarantee for efficient and quality services

Instrumentation (service and maintenance)

Maintaining your equipment along with regularly scheduled Preventative Maintenance visits ensure reliability and extends the life of the instrument. Your equipment is a critical part of your business and downtime is one of the most expensive results of even minimal neglect.

The following are some of the equipments we service/Repair:



EQUIPMENT	
Temperature controllers	Pressure Safety Relief Valves
Ovens	Pressure reducing valves
Incubators	PH meter
Autoclaves	Voltage dividers
Analytical/precision balance (Electronic and Mechanical)	Power supply units
Water bath	Power meters
Oil bath	Turbidity meters
Cold Rooms	Ac/Dc bridges
Humidity meter	Viscometers mechanical
Furnaces	Viscometers Electr/mechanical
Dries	Talameters
Digital thermometers	Polarimeters
Contact thermometers	Shakers
Rotating reference watt-hour meter	Moisture content determination balance
Single-phase watt-hour meter	Xenotest
Poly-phase watt-hour meter	Trash selector
Power factor meter	Abrasion tester
Maximum demand indicator	Carpet testing machine
Reactive energy indicator	Universal testing machine
Electronic meter tester/calibrator	Pilling tester
Atomic standard	Washing machine
Counter	Force machine
Crystal oscillation	Hardness tester
Timers	Vacuum pump
Frequency meter	X-ray machine
Spectrum analysers	Auto-analyses
Modulation analyzers	Distillers
Oscilloscopes	Milk analyzer
Centrifuges	Bomb calorimeters
HPLCS	Conductive meters
Chromatography	Fume extractors
Computers	Pilot Operated Safety Relief Valves
Climate chambers	

Our experience is your guarantee for efficient and quality services



GENERAL INDUSTRIAL SUPPLIERS

- ACIDS
- ANALYTICAL REAGENTS
- BASES
- BUFFERS
- SOLVENTS
- STANDARD SOLUTIONS
- SOAPS AND DETERGENTS
- WATER QUALITY AND PURIFICATION SYSTEMS
- SOIL TESTING EQUIPMENTS
- MICROBIOLOGY SUPPLIES
- ELECTRICAL EQUIPMENTS AND ACCESSORIES
- LABORATORY / INDUSTRIAL WEIGHING SCALES
- MOLECULAR BIOLOGY SUPPLIES
- MATERIAL TESTING EQUIPMENTS
- LAB ORATORY OVENS
- REFRIGERATION SYSTEMS
- LABORATORY EQUIPMENTS AND INSTRUMENTS



Our experience is your guarantee for efficient and quality services



Should you require any clarification at this stage, please feel free to contact the undersigned.



IDEAL QUALITY TRAIL SYSTEMS LTD

IQTS

Calibration & Instrumentation

Email: idealqualitysystems@gmail.com

Web : <http://idealqualitysystems.kbo.co.ke>

Tel No: 020-2587291

Mobile : 0725034123

Fax: (+254 020) 2587291

0724994079



Thank you in advance for your anticipated response.

Yours Faithfully,

Eng. Cornelius Kuria

MOBILE; 0725-034-123

MANAGING DIRECTOR:



Our experience is your guarantee for efficient and quality services