



AUTOMATION | CALIBRATION | PROJECTS | TRADING



CALIBRATION SOLUTIONS



DUBAI | ABU DHABI | FUJAIRAH | QATAR
www.metromac.com

METROMAC CALIBRATION SERVICES

Established in 1999, Metromac Calibration Services has become one of UAE's best-known and ISO/IEC 17025 accredited calibration company which is uniquely qualified to offer you a comprehensive range of instrument calibrations by its team of expert technicians.

Metromac is one of the first companies in UAE to achieve ISO/IEC 17025:2017 accreditation for a calibration laboratory. We cover a broad scope of capabilities to offer a comprehensive single-stop service for our clients. We also partner with selected specialty partners for calibration & repair services.

Our extensive lab facility is accredited by **EIAC** (Emirates International Accreditation Centre), **ENAS** (Emirates National Accreditation System) & **IAS** (International Accreditation Service) to the international standard **ISO/ IEC 17025:2017** with the quality management system certified by DNV for ISO 9001:2015. We have also acquired ISO 14001:2015 & ISO 45001:2018 during this journey.

About Our Company

Our In-house Accredited Laboratory Facility

Metromac offers specialised calibration, repair & servicing support at each of its accredited laboratories across the Middle East. We're happy to provide industrial & commercial calibration services to clients from all industries, trades and areas of expertise.

Onsite Calibration Services

As an end-to-end service provider, we extend calibration services at customer premises with zero process disruptions and improved efficiency. Our calibration department will manage all aspects of onsite calibration services from assigning qualified technicians/engineers appropriate to the job scope to document delivery.





Scope Of Accreditation

Our scope of accreditation for calibration parameters is the widest in the region. We are constantly upgrading our capabilities and strive to meet the requirements incessantly to offer our clients the best service and peace of mind.

We employ due diligence in our all undertakings to ensure that every instrument we receive for calibration or repair is rechecked as per the parameters and subjected to precision calibration for optimum accuracy. Our document delivery is competent to meet all your documentation or audit requirements.

We are accredited by EIAC, ENAS & IAS to the international standards of ISO/IEC 17025:2017 to undertake calibration for the following parameters:

Temperature & Humidity
Pressure
Dimension
Balance & Mass
Noise & Sound

Force & Torque
Electrical
Volume
Hydrometer
Gas Detectors

Flow meter
Speed
Time
pH Meter
Load Cell

Accreditations & Certifications



Our Calibration Services

Temperature & Humidity

Our team of technicians are highly trained in the calibration, service and repair of any temperature and humidity (RH) measuring and testing Instruments.

Our Accredited Calibration Capabilities:

Temperature : -40°C to 600°C
IR Temperature : -30°C to 500°C
Humidity : 20% Rh to 95% Rh

Instruments we calibrate:

Glass & Digital Thermometer
Infrared Thermometer
Thermohygrometer
Thermal Imager
Datalogger

Temperature Controllers
Cold Rooms
UTI Tapes
Fridge
Freezers

RTD probes
Thermocouples
Hot Air Oven
Incubator
Chart Recorder

Flash Point Tester
Dry Block Calibrator
Autoclave
Muffle Furnace
Liquid Baths



Volume

Our laboratory is accredited for all parameters of volumetric calibration.

Instruments we calibrate:

Micro Pipettes
Burettes
Conical Flasks

Dispensers
Graduated Cylinders
Repeaters

Our Accredited Calibration Capability:

0.5 µL to 10mL



Flow

We have the facility and ability to calibrate all kinds of Flow instruments. We carry out flow meter calibration for gases, liquids and tanks in addition to anemometer calibration, level transmitter, velocity meter and hydrometer calibration.

Instruments we calibrate:

Fuel Flow Meter
Water Flow Meter

Gas Flow Meter
Rotameter

Flow Switch
Ultrasonic Flow Meter

Pressure

We calibrate, service, supply and repair all types of pressure instruments. We are authorised supplier and service center for SIKA products.

Our Accredited Calibration Capability: 0.9 Bar to 4000 Bar

Instruments we calibrate:

Pneumatic & Hydraulic Pressure gauges
Vacuum Gauges
Pressure relief Valves
Chart Recorders
Manometers

Transducers
Pressure Calibrators
Pressure Regulators
Airline Gauges
Pressure Indicators



Dimension

Metromac offers calibration services for all types of dimensional metrology equipment.

Instruments we calibrate:

Vernier Caliper
Outside Micrometer
Inside Micrometer
Dial Indicator
Pitch / Ring Gauges
Feeler Gauges
Bore Gauges
Spirit Level

Measuring Tape & Scale
Pi Tapes
Surface Profile Gauge
Laser Distance Meter
Height Gauge
Bevel Protractor
Tri Square
Coating Thickness

Balance & Mass

Metromac Calibration Services carries out the scale and weight calibration as well as comparator calibration at our well-controlled lab using highly reliable equipment for instruments of varying capacities.

Instruments we calibrate:

Digital & Analog Weighing Scales
Top Loading Weighing Scales
Platform Scales
Analytical / Precision Balances
Hanging Scales
Standard Weights

Our Accredited Calibration Capability:

1 mg to 20 kg for standard weights.
Upto 500 kg for Weighing Balances.



Force & Torque

Our calibration bench is accredited to undertake load cell calibration, dynamometer calibration, torque and force instrument calibration at our calibration lab in the region.

Our Accredited Calibration Capability:

Torque : 0.04 Nm to 3000 Nm

Instruments we calibrate:

Digital Torque Wrench
Analog & Dial Torque Wrenches
Torque Screwdriver
Torque Meter

Tensile Load Cells
Crane Scales
Dynamometer
Force Gauge

Electrical & Electronics

We carry out the accredited calibration, service & repair of all types of electrical and electronic test equipment. The various parameters tested are DC current, AC current, DC Voltage, AC Voltage, Inductance, Resistance, Time, Capacitance and Frequency.

Instruments we calibrate:

Multimeter	Relay Test Kit	Process Calibrator	Ammeter
Clamp Meter	RCD Tester	Frequency Meter	Volt Meter
Frequency Generator	Megger	Loop Calibrator	Earth Tester
Insulation Tester	Oscilloscope	Signal Calibrator	Power Supply
High Voltage Generator	KW Meter	Electrical Safety- Analyser	PAT Tester
Welding Machine			



Speed & Time

Instruments we calibrate:

Tachometer	Counters	Roller Mixer
Centrifuge	Stop Watches	Vortex Mixer
Shakers	Timers	Autoclave

Miscellaneous Instruments

Instruments we calibrate:

Sound Level Meter	Electrode Oven	Barometer
Lux Meter	pH Meter	Hydrometer
Anemometer	Vibration Meter	Dew Point Meters

Gas Detector Calibration

Metromac is the authorized service center for M/S Riken Keiki Japan & M/S RKI USA made Portable / Fixed Gas Detectors & Systems.

Our Calibration Capabilities:

- We calibrate and repair all varieties of single and multi-gas detectors of different manufacturers.
- Provide access to spare parts and fully automated calibration equipment; replacement equipment is available upon request.
- Provide comprehensive calibration certificates that include traceability to the calibration gas used; via lot numbers and concentrations.



Valve-Testing

Metromac has an extensive valve-testing and calibration facility to work on valve sizes ranging from ¼" to 16", using a self-clamping test rig up to a pressure range of 1000 bar. We also undertake valve automation jobs and provide on-site technical expertise in valve actuation, calibration and maintenance pressure testing and certification of all valves, including pressure safety valves.

Instruments we calibrate:

Safety Valves	Manual & Control Valves	Low Pressure Pumps
Pilot Operated Safety Valves	Globe Valves	High Pressure Pumps
Low Pressure Safety Valves	Gate Valves	Pressure Hoses
Needle Type Safety Valve	Butterfly Valve	Pipes & Manifolds





Medical/ Testing/ Inspection Laboratory Instrument Calibration

Our network of laboratories can offer the very latest in independent testing/ inspection technology and can provide precise analysis and calibration support for medical/ testing/ inspection laboratory equipment.

Instruments we calibrate:

Pipettes
Thermometers
Refrigerators
Orbital Shakers
Incubators
Autoclaves
Water Baths

Multi Block Heater
Precision Weighing Scale
Biological Safety Cabinet
pH Meter
Glass Thermometer
Pour Point Tester
Flash Point Tester

Torque Wrenches
Load Cells
Precision Instruments
Electrical Testing Instruments
Pressure Instruments
Barometer

Automatic Distillation Unit
Oil Bath
Muffle Furnace
Hot Air Oven
Viscosity Bath
COD Reactor

Industries Served



- Marine
- Oil and Gas
- Medical & Pharmaceuticals
- Testing / Inspection laboratories
- Automotive
- Process / Manufacturing
- Aviation

- Hospitals
- Electromechanical
- Power Plants
- Construction
- Supermarkets
- Plastic & Paper Industry
- Ceramic Industry

- Hotel Industry
- Precast & Cement Industry
- Food & Beverage
- Cold storage
- LV & MV Switchgear
- Refrigerated Transport Systems
- Laboratories



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