

CALIBRATION & PRODUCTS



- ▶ Torque
- ▶ Pressure & Vacuum
- ▶ Weighing Balance
- ▶ Dimensions
- ▶ Acoustic
- ▶ Thermal – Humidity & Temperature
- ▶ Electro-technical



For more information- www.flutech.in



CALIBRATION
INDUSTRIAL TOOLS
MEASURING INSTRUMENTS

MECHANICAL

ELECTRO-TECHNICAL

THERMAL

About Us

Flutech, established in 2010, is a Speciality Calibration and Technical Services company offering a broad and comprehensive range of calibration services performed, In-lab and on-site, providing traceability to National/International standards. Having one of the finest laboratories with best-in-class standard equipments to deliver highest performance levels in the industry. We Uphold the highest level of quality Assurance, Documentation, and Accuracy. We are also Engineering Products Distribution Company having tie-ups with world class manufacturers.



CALIBRATION



Flutech Calibration Laboratory is a state-of-the art facility with high accuracy reference calibration Standards.

Flutech offers a wide range of solutions and services to diverse markets ranging from Automobile to Aerospace, Defence, Manufacturing, Steel, Mining, Power, Oil & Gas.

We are equipped to perform multi-parameter, multi domain calibrations, delivering high precision and accurate measurements, Covering

- * Torque
- * Pressure & Vacuum
- * Temperature
- * Humidity
- * Acoustic
- * Electro-technical
- * Weighing Balance
- * Dimension.

Our organisation has highly skilled, experienced, trained & certified team to undertake highest level of calibration services.

Our Laboratory is Accredited in accordance with ISO/IEC 17025:2017 by the NABL (National Accreditation Board for Testing and Calibration Laboratories), Dept. Of Science & Technology, Gol,

CERTIFICATION

NABL Accredited Laboratory



“Scan the QR code for NABL Accreditation Certificate and scope of our Laboratory”



PRODUCT DISTRIBUTION



INDUSTRIAL TOOLS & MEASURING INSTRUMENTS

We supply extensive range of Industrial tools & Measuring instruments in the industry today, representing world's leading manufacturer's, delivering solutions for Torque tightening & measurements, Pressure & Temperature measurements & Electrical test and measuring instruments.

Norbar, UK : Torque tools for tightening, measurement & calibration.

Ness, Japan : Pressure and Temperature gauges

Testo, Germany : Portable Testing & Measuring Instruments.

As their Authorized distributor for Sales & Service.



COMPLETE SOLUTIONS & SUPPORT

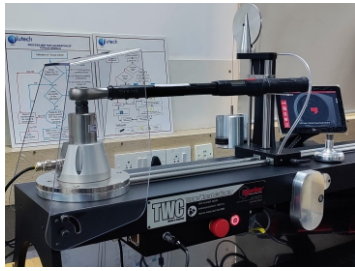
Flutech brings to its customers a unique advantage of supplying products, and undertaking Repairs, Services and Calibration for a wide range of products and instruments.

All under one roof.

We are committed to delivering HIGH Quality products and Excellence in our services.



Torque Calibration

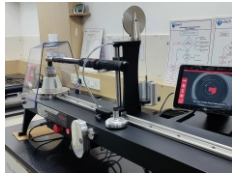


Reference Calibration Standard:

High accuracy Calibration standards, Norbar make Torque sensors, classified to BS7882:2017, accuracy of 0.5 class

The torque wrenches are calibrated on Norbar Torque Wrench Calibrator in accordance with ISO 6789-2017, automated and computerized procedure, thereby reducing operator induced variations in the calibration process

Wide NABL Accredited range and parameters calibrated



Hand Torque Wrench



Torque Multiplier



Hydraulic torque wrench



Rotary torque tool

CALIBRATION RANGE

0.5 TO 10,000 Nm

TYPICAL INSTRUMENTS

Hand Torque Wrench : 0.5 to 1400 Nm
 Torque Screw Driver : 0.5 to 10 Nm
 Torque Multiplier : 200 to 10000 Nm
 Hydraulic Torque wrench : 200 to 9580 Nm
 Rotary torque tool : 0.5 to 700 Nm
 (Pulse tool/Nut Runner)

Pressure Calibration



Dead Weight Tester

Reference Calibration Standard:

Primary standard, DH Budenberg make, Dead weight testers & Fluke module calibrators. Laboratory having best accuracy of 130 PPM

Calibrated in accordance with DKD R6-1 and NABL guidelines.

In-lab & On-site Calibration facility

Widest NABL Accredited range and parameters calibrated



Hydraulic / Pneumatic



Vacuum / Differential



Transducer / Calibrator



On-site Calibration

CALIBRATION RANGE

Hydraulic: 0 to 1600 bar
 Pneumatic: 0 to 40 bar
 Vacuum: -0.01 to -0.8 bar
 Differential: 0.2 to 340 mbar

TYPICAL INSTRUMENTS

Hydraulic Gauges,
 Pneumatic Gauges,
 Vacuum & Differential Gauges
 Transducers & Transmitters,
 Switches
 Pressure Calibrators
 Dead weight Testers
 (cross float method)

Dimensions Calibration



Reference Calibration Standards:

Grade "0" Slip Gauges, Angle gauges, Floating Carriage, Electronic Dial Calibrator, Ring Gauges, Caliper Checker

Calibration procedure as per IS standards and NABL guidelines.



Vernier caliper



Micrometer



Thread plug gauge



Bore gauge



Height gauge



Dial gauge

CALIBRATION RANGE

Bore Gauge : All ranges
 Inside Micrometer : 275 mm
 Vernier cal. & Height Gauge : 1000 mm
 Bevel Protractor : 360 degrees
 Depth Micrometer/
 Vernier/ Setting rods : 300 mm
 Pin Gauge : 0.5 to 25 mm
 Snap Gauge : 3 to 150 mm
 Micrometer : 600 mm
 Pistol Caliper : 220 mm
 Dial Gauges : 12.7 mm
 Feeler Gauge : 0.03 to 1 mm
 Thread Gauges : 100 mm
 Plain Plug Gauges : 2 to 150 mm
 3 Point Micrometer : 100 mm

Electrical - Technical Calibration



Reference Calibration Standards:

Fluke 50 ppm multi product Calibrator and Fluke 8.5 Digit Reference Multi meter along with Agilent LCR meter and Time Electronics (UK)

Decade boxes to test and measure a wide range of electrical parameters.

Calibration procedures are derived from International methods and NABL guidelines.

In-lab and On-site calibration capability

Wide NABL Accredited range and parameters calibrated.



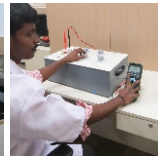
Multimeter Calibration



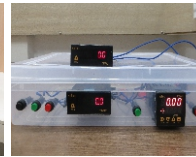
LCR Meter



Power Supply



Insulation Tester



Digital Timer

CALIBRATION RANGE

Current	: 0-1000A (AC/DC)
Voltage	: 0-1000V (AC/DC)
Power	: 20.9kW (AC/DC)
High Voltage	: 28kV AC/30kV DC
Frequency	: 5 Hz to 1000 MHz
Capacitance	: 110µF
Resistance	: 1µΩ to 10GΩ
Inductance	: 10 H
Time Interval	: 9000 secs
Temperature controllers	: -200 to 1800°C
Oscilloscope	: 600 MHz

TYPICAL INSTRUMENTS

Multimeter
Ammeter/ Voltmeter
Clamp meter
Megger/Insulation tester
Earth Resistance tester
LCR meter
Timer/RPM Indicator
Power Supply / Power Meter
Decade boxes
Temperature controllers/Oscilloscope
TIG/MIG Welding Equipments
Hipot Tester / Data Logger
Milli & Micro Ohm meters

Temperature Calibration



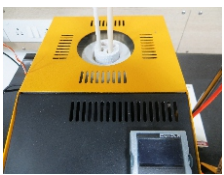
Reference Calibration Standards:

High accuracy calibration standards, with furnace (Isotech, UK) stability better than 0.3°C and High accuracy R-Type Thermocouple (TC Ltd, UK) and Fluke SPRT Sensors with high precision Readout, Black body source & Humidity Chamber.

Calibrated in accordance with International standards AMS2750F & ASTM 220.

In-lab and On-site calibration capability.

Wide NABL Accredited range and parameters calibrated in the region.



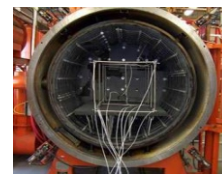
RTD/Thermocouple/
Thermometer



Data logger



Temp. controller



Furnace/Oven



IR Thermometer



Humidity

CALIBRATION RANGE

RTD's/Thermocouple	: -15 to 1200°C
{Uncertainty	: 0.03°C (-15 to 140°C)}
Glass Thermometer	: -10 to 110°C
Furnace/Oven	: -80 to 1200°C
Humidity	: 10 to 50°C
10 to 95% RH & (Uncertainty: 0.67% RH)	
IR Thermometer	: 50 to 500°C

TYPICAL INSTRUMENTS

Thermocouples (all types)
PRT/RTD Sensors
Glass Thermometer
Data Loggers (Humidity)
Furnaces/Ovens (TUS/SAT)
Hygrometer & Humidity Sensor
Temp. calibrators
IR Thermometer

Weighing Scale & Acoustic

Weighing Scale Standards: E2 & F1 Class Stainless Steel Standard Weights

Acoustic Standards: Class 1 Sound level Calibrator-Sound level Meter

Other Facilities

Force/Push Pull Gauge -Hydraulic Comparator Class 1
PH / TDS (Traceable) -Buffer Solution
Conductivity / TDS -

Parameter



Weighing Balance



Ph/TDS Meter



Sound



Push Pull Gauge

CALIBRATION RANGE

Weighing Balance	: 1 mg to 300 kg.
Sound	: 94 dB & 114 dB

CALIBRATION RANGE

Force /Push Pull Gauges Traceable:
Class 1 - 2000 N
Ph/TDS (Traceable):
Buffer solutions-PH Meter: 0 to 14 pH
Conductivity/TDS: 0 to 12000µs/cm



PRODUCTS



Norbar UK is one of the world's largest specialists in the field of torque tools. Norbar specialises in the manufacture and worldwide distribution of torque tools for torque tightening, measurement and calibration. With torque application tools from 0.3 to 300,000 N•m.



Hand Torque wrenches and Screwdrivers for Controlled Torque Tightening.



Digital Torque tools for Accurate Tightening, Quality checks and Torque Audit



Torque Multipliers : Hand Torque Multipliers, Pneumatic and Electric Torque Multipliers



Hydraulic Torque wrenches



Engineered torque tools



T - Box - 2



Torque Wrench Calibrator



True Check



Pro test

DIGITAL TORQUE WRENCH



EVOTORQUE BATTERY TOOL



Sweden

Momento is the only company in the world that manufactures machine operated sockets and accessories exclusively for impact wrenches, electric nutrunners & hydraulic wrenches.



Sockets & Adapters





PRODUCTS



Nesstech Inc.(Japan) has expertise of over 5 decades in manufacturing of Pressure and Temperature Gauges.



Thermocouples & RTD's



VALVES



Pressure & Temperature gauges



Testo India Pvt. Ltd. is a 100% subsidiary of Testo AG (Germany) which is a world leader in design, development and manufacturing of electronic portable test and measuring instruments.



Portable Measuring Instruments for: Temperature, Humidity, Pressure, Air velocity, RPM, Sound and Light



Data Loggers and Data Monitoring System



Transmitters for Humidity, Temperature, Differential pressure, Dew point of Compressed Air, Compressed Air Flow Meters



Thermal Imagers for Predictive and Preventive Maintenance



Portable Flue Gas Analyzers for Combustion and Emission Analysis



Velocity



Electrical



Flutech - Key Strengths

- ▶ An ISO/IEC 17025-2017, NABL Accredited calibration laboratory vide Certificate No.CC-2891
- ▶ Multi-domain and Multi-parameter calibration laboratory:
One stop offer.
- ▶ Wide calibration range in the region in key parameters.
- ▶ Leading state-of-the-art Master Standard Calibration Equipments:
Deliver Accuracy & Measurement Reliability.
- ▶ Calibration, Error Setting, Repair & Service and New products:
All under one roof.
- ▶ Deliver customized tailor made solutions and services.
- ▶ Fastest turn-around time.
- ▶ In-lab and On-site Calibration services.
- ▶ Calibration Recall Programme : Reminder service for next due calibration
- ▶ Training: Training Programme for operators on Quality checks, Operation and Safety
- ▶ Representing leading and world class brands for product distribution.



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