



# WORLD ONE INSTRUMENTS PVT. LTD.

## Environmental Testing & Calibration Laboratory

CC-4040

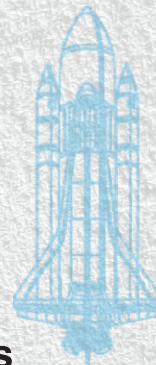
ISO/IEC 17025 ACCREDITED CALIBRATION LABORATORY BY NABL VIDE CERTIFICATE NUMBER CC-4040

#47, Ganapathi Nagar, Peenya Industrial Area, Bengaluru - 560 058

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## Our Calibration Services ★★★



- **Acceleration and Speed**  
(Vibration Machine & Accelerometer)
- **Acoustics** (Sound Level Calibrator, Sound level meter & Micro Phone System)
- **Pressure** (Vacuum & Barometric Pressure)
- **Dimensional**
- **Density**
- **Torque Measuring & Generating Devices**
- **Thermal**
- **Volume, Weighing Scale, Balance and Weights**
- **Durometer** (Shore A, Shore D)
- **Electro-Technical**
- **Flow Measuring Instruments**  
(water, Oil, Gas & Air)
- **Force Proving Instruments**  
(CTM, CBR & UTM Machines)



# WOIS



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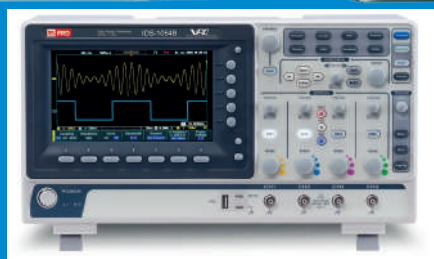
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**Electro-Technical:** 1mV to 100kV, 10 $\mu$ A to 1000A, 500 $\mu\Omega$  to 1T $\Omega$ , 100pF to 1000F, 100 $\mu$ H to 10H, 1Hz to 500kHz, 1Sec to 24Hrs.  
Temperature simulation – RTD, K, J, N, R, B, S, T, E Types.

## Oscilloscope / AC & DC Power

- DC VOLTAGE
- AC VOLTAGE
- AC CURRENT
- DC CURRENT
- RESISTANCE
- CAPACITANCE
- TEMPERATURE SIMULATION
- RTD (PT 100)
- THERMOCOUPLE (K,J,N,T,S,R,B,C,E,I)
- SINGLE PHASE POWER
- THREE PHASE POWER
- FREQUENCY



### INSTRUMENTS 3%, 4%, 5%, 6%

Digital Multimeters, **Oscilloscope**, Decade Resistance Box, Temperature Indicator, Digital Clamp Meter, Decade Capacitance Box, Temperature Controller, Digital Frequency Meter, AC / DC Voltage Source, Digital / Analog Voltmeter, AC / DC Current Source, Temperature Recorder, Digital / Analog Ammeter, AC High Voltage Tester (Kit), Process Indicators, Earth Resistance Meter, DC High Voltage Tester (Kit), Digital Timer/Stop Watch, Insulation Tester / Meggar, Power Meter, Micro Ohm Meter, LCR Meter, Energy Meter, Power Analyser,

## Oscilloscope



**Thermal Parameter :** Temperature and Humidity parameters of range  
(-)196°C to (+)1200°C and 10%RH to 95%RH

### TEMPERATURE & HUMIDITY INSTRUMENTS: CALIBRATION

Digital Thermometer	Temperature Gauges
Glass Thermometer	Data Loggers with sensor
Hygrometers / Humidity Meter	Dew Point meter
RTD Sensors	IR Thermometer/ Thermal Imager Moisture Analyzer
Refrigerator	Furnace, Autoclave,
Water Bath	Chambers, Incubator (BOD, Bacteriological),
Deep Freezer	Ovens etc.,
Temperature Sensor With Transmitter	
Thermocouples (All Types)	



### TEMPERATURE & HUMIDITY INSTRUMENTS: CAPABILITY TO VALIDATION & MAPPING

Autoclave, Freezer  
Tunnel Sterilizer, Dry Heat Sterilizer  
Hot Air Oven  
Room Mapping (Temperature, Temperature & Humidity).  
BOD Incubator, Refrigerator.  
Walk-In / Stability Chamber Temp. & Humidity Chamber.  
Furnaces (All Types)  
Validation and Mapping to meet USFDA, MHRA Requirements.  
Thermal Mapping to meet NADCAP, HPS, CIQ & AP Standards, AMS2750E / IEC60068



## Mass & Volume

**Weights:** Calibration of E2 Class weights and Coarser up to 20kg.

**Weighing Balances:** Upto 2000kg.

**Micropipettes:** 1 $\mu$ l to 10000 $\mu$ l.

**Glasswares:** 1ml to 10l.

### Density

**Hydrometer:** 0.6 g/ml to 2.0 g/ml

**Pressure and Vacuum :** (-)0.9 bar to 1000 bar and 0 to 19600 Pa.

(Digital and Dial Pressure Gauge, Pressure Indicator, Pressure Calibrator, Pressure Controller, Pressure Transmitter, Pressure Transducer, Pressure Switch, Pressure Recorder)

**Vacuum**  
(Digital and Dial Vacuum Gauge, Vacuum Indicator, Vacuum Calibrator)

**Barometric Pressure :** 0 to 2000 mbar

Barometric Pressure (Analog / Dial / Digital Barometer, Barometric Transmitter / Switch)

**Surface Roughness :** Specimen and Tester

**DUROMETER :** SHORE A, SHORE D

**Dimensional :** Vernier, Micrometer, Coating Thickness Gauges, Foils, Plain Plug Gauge, Setting Rods, Tape, Scale, Test Sieves, 2D Height Master, Bore Gauge, Bevel, Sheet metal protractor, Measuring pins, Comparator Stand, Taper Thread ring gauge (effective angle & dia) Riser Block, Feeler, Radius Gauges, V-Blocks, Tri Square, Surface Plate, Profile Projector and many more...







The diagram illustrates the experimental setup for the shaker system. It includes a PC or laptop, a controller, an amplifier, a shaker, a blower, and an accelerometer. The PC sends a 'Profile' signal to the controller. The controller sends a 'Drive' signal to the amplifier and a 'Control' signal to the accelerometer. The amplifier provides '3-Phase Power Input' to the shaker. The shaker is connected to a blower via a 'Flux Pipe'. The blower has 'Cool Air in' and 'Hot Air Out' ports. The shaker is also connected to a 'Voice Coil Drive' and a 'Motor Power' source.



## A collection of various electronic equipment, including signal analyzers, spectrum analyzers, and communication devices, displayed on a reflective surface. The equipment includes several rack-mounted units with multiple ports and displays, two handheld rugged devices showing waveforms, and a small blue rectangular device. The background is white with a blue border at the top.

# Torque & Force Proving Instruments (CTM, CBR & UTM Machines)

## Torque Measuring Devices

Torque Transducer with or Without Indicator, Torque Meter, Torque Tester, Torque Calibrator.



## Torque Generating Devices

Torque Wrenches, Torque tools Indicating, Torque Driver Type I Class A,B,C,D,E & Torque setting Type II, Class A,B,C,D,E,F,G



## Force Proving Instruments (CTM, CBR & UTM Machines)

Compression / Universal Testing Machine, CBR Apparatus Spring Testing Machine, Flexural Testing Machine (Compression)



Verification of Displacement, Extensometer Speed Measuring System and Devices used in Material Testing Machine

## Anemometer

Contact, Non - Contact Tachometer/Stroboscope (Non - Contact), centrifuges and rpm devices



## FORCE MEASURING SYSTEM

### Push Pull Gauge, Force Gauge (Push & Pull Mode)



### OPTICAL PARAMETER

Light Intensity  
Wave Length  
Instruments :  
Lux Meter ( Light Meter)  
Optical Cable

### WATER RELATED PARAMETERS

TOC analyzer  
Conductivity  
TDS, pH  
ORP  
Turbidity

### INSTRUMENTS

pH Meter (Portable, Bench top) Conductivity Meter ORP Sensor  
pH Sensor With Transmitter TDS / Conductivity Sensor ORP Sensor With Indicator  
pH Sensor With Indicator TDS/Conductivity sensor With Indicator Turbidity Meter  
TOC analyzer



# FLOW METER CALIBRATION SYSTEM

## Flow Measuring Instruments ( Water, Oil, Gas & Air)



- Electromagnetic Flow Meters
- Gas flow Meters
- Air flow Meters
- Clamp on Ultrasonic Flow Meters
- Vortex Flow Meters
- Coriolis Mass Flow Meters
- Turbine Flow Meters
- Positive Displacement Meters
- Rota Meter



# Civil Testing Instruments Calibration

Aggregate Testing | Bitumen Testing | Cement Testing | Concrete Testing  
Soil Testing | Surveying Equipment | Strength of Material Testing

## Aggregate Testing



## Soil Testing



## Cement & Concrete Testing Equipment



## Surveying Instruments



# BIO-MEDICAL INSTRUMENTS CALIBRATION

Electrical Safety Analyzer: Ventilator, Patient Monitor, Defibrillators, ECG Machine, Syringe Pump, Infusion Pump, ESU, Anesthesia Machine, CPAP, BIPAP

ALL OTHER MEDICAL EQUIPMENTS CAN BE CALIBRATE IN OUR BIO-MEDICAL LABORATORY

Weight Scale  
Infant Ventilator  
NST Machine  
Suction Machine  
IR thermometer  
Spot Light  
Radiant Warmer, Nebulizer, Bp Apparatus  
Humidifier, Eye Microscope, Incubator,  
Bio Safety Cabinet  
Dental X-ray Machine, Dental Chairs,  
PFT Machine, TMT Machine,  
ENT Microscope  
Phototherapy Machine  
IABP unit, EEG (NEURO) Machine  
ACT, OT Table  
OT light, OT Mobile Light

Doppler, Dopplers  
Cautery Machines, Tourniquets Machines  
FLUID Warmer, Ultra Sound Therapy  
Fibrillator, Short Wave Diatherapy  
ENT Operation Microscope, Traction  
Sternal Saw Motor, Electrical Stimulator  
ENT Drill Motor, WAX Bath  
PHACHO Machine, EO Gas Sterilizer  
Hemotherm, Flash Sterilizer  
Light Source, Washer Disinfector  
Cold Light Source, Ultra Sonic  
ENT Light Source, Portable Ventilator  
Endoflators  
Pace Maker  
LET, CPM, Interx





## General Business Activities

Founded in 2012, World One Instruments Pvt. Ltd. has established itself as a leader in precision environmental testing, production of testing machines, and calibration services. With an unwavering commitment to excellence, we specialize in calibrating measurement instruments to meet the highest industry standards.

Our state-of-the-art facility is equipped to conduct a wide range of comprehensive environmental testing, ensuring that equipment operates reliably and withstands various environmental conditions. In addition, we are actively developing advanced vibration machines, testing chambers, and IP testing chambers, all designed to meet standard specifications and offer superior performance for our clients.

At World One Instruments Pvt. Ltd., we are dedicated to providing high-quality solutions that ensure the precision, reliability, and durability of your equipment in the most demanding conditions.



[www.wois.in](http://www.wois.in)

**“Calibrating for accuracy, testing for sustainability  
science that safeguards the future”**

