



Government Recognized and NABL
Accredited Calibration Laboratory



EIE INSTRUMENTS PVT. LTD.

(An ISO 9001 : 2008 Certified Company)

About Us

We at, EIE Instruments Pvt Ltd, have initiated our journey in the way back 1978 with ever challenging field of Manufacturing of World class laboratory testing instruments. Initially, these laboratory instruments were analogue in nature. Accuracy and precision were less known concepts during that time. "Calibration" word was out of today's dictionary. But, with Globalization and stiff competition, quality standards became stringent as we entered in 21st century. Maintaining and quantifying quality with uncertainty measurements was a continuous challenge. ISO:17025 standard was introduced by **National Accreditation Board for Laboratory (NABL)** around this time to accredit private companies for testing & calibration services, to provide time bound & professional services to the industries, to help them meet these challenges.

To fulfill this need and to be the part of Nation's development, EIE Calibration Laboratory was incepted in the year 2008, and since then, we never looked back. Calibration activities, as per IEC/ISO : 17025 Norms, are implemented and followed religiously in our organization. Calibration facilities are given the highest priorities at our organization. We hold excellent technical know-how to calibrate versatile calibration parameters with National & International Traceability.

The Laboratory is very well equipped with the state of art, world class, imported and indigenous Master instruments & Reference Standards, which are employed for providing precise & accurate calibration services to the prestigious clients. Test certificates and calibration reports issued by EIE Instruments are widely accepted in the industries and approved by almost all National & International inspection agencies, government undertaking units, public sector and private sector industries.

All our calibration engineers are well aware of the accreditation values, procedures, formats, work instructions, uncertainty calculations to perform calibration activities both in house as well as on site locations.

Why EIE Instruments?

- ✓ One stop solution for New equipment purchase, Calibration and Validation needs
- ✓ State of the art Calibration Laboratory
- ✓ Team of analytical experts
- ✓ Highly Skilled & Trained staff
- ✓ Courteous staff to resolve queries
- ✓ Pickup and drop service
- ✓ Fast turnaround period
- ✓ Well in advance reminder for calibration due dates
- ✓ Sub-contract with prior permission for the instruments not falling in EIE's scope of service
- ✓ Best Measurement Capabilities
- ✓ Extended support during AUDIT
- ✓ GMP Calibration
- ✓ Witness testing for specified parameter



Calibration Scope

EIE Instruments offers full range of Laboratory Calibration Services, to its Esteemed clients, operating in versatile manufacturing categories. Be it Pharma Segment, Civil engineering Segment, Chemical, Food or Textile segments, EIE is well-known for its prompt, economical and reliable Calibration and Validation services since its inception. Being a 17025 Accredited Lab, it provides the confidence our customers seek in identifying a one stop calibration service that will meet the unique requirements of the FDA and cGMP environments (Especially for Pharmaceutical Industries).

Scope of Services

Mechanical (Force)

Sr. No.	Name of Instruments	Range/LC
1	Static Uniaxial Testing Machines (UTM, CTM etc.) Tension & Compression Machines	200N to 3000hN
2.	Force Proving Instruments (Load Cell, Proving Ring, Dynamometer) Mode of Force: Compression & Tension	10N to 5000N

Mechanical (Pressure)

Sr. No.	Name of Instruments	Range/LC
1.	Vacuum Dial/Digital Vacuum gauge, Indicators and Calibrators	-0.9 to 0 bar
2.	Pneumatic Pressure Dial/Digital Pressure gauges and Calibrators, Pressure transmitters, Pressure Switches	0 to 30 bar
3.	Hydraulic Pressure Dial/Digital Pressure gauges and Calibrators, Pressure transmitters, Pressure Switches	0 to 700 bar
4.	RPM Meter Contact & Non-Contact Mode	100 to 5000 rpm 5000 to 20000 rpm
5.	Tachometer	100 RPM TO 90000 RPM

Mechanical-Dimensional (Metrology)

Sr. No.	Name of Instruments	Range/LC
1.	Vernier/Dial/Digital-Caliper LC: 0.01 mm	0 TO 300 mm
2	External Micrometer LC: 0.001 mm	0 TO 25 mm
3	Dial Gauge (Plunger Type) LC: 0.001 mm	0 TO 25 mm
4	Test Sieves	45 µm TO 125 mm
5	S.S. Scale/Ruler LC : 0.5 mm & 1.0 mm	Upto 1m
6	Measuring Tape LC : 1.0 mm	Upto 50m
7	Feeler Gauge	Upto 2 mm
8	Standard Foils	Upto 2 mm

Mechanical (Mass)

Sr. No.	Name of Instruments	Range/LC
1.	Calibration Of Weights (As per OIML – R 111-1)	1mg TO 500 g (E2 & Coarser) 1 Kg TO 20Kg (F2 & Coarser)

Calibration Scope

Mechanical (Mass Balance)

Sr. No.	Name of Instruments	Range/LC
1	Semi Balance	1mg to 220g (L.C. 0.01mg & Coarser)
2	Balance	Upto 50kg (L.C. 0.1g) Coarser and Up to 100Kg (L.C. 5g) Coarser

Volumetric Equipment

Sr. No.	Name of Instruments	Range/LC
1	Single/Multi channel micro pipette, Burette, Pipette, Flask, Beaker, measuring cylinder	10 µl to 10ml 1ml to 2000ml

Electro-Technical

Sr. No.	Name of Instruments	Range/LC
1	RTD Type (PT-100)	-200 to 850°C
2	Thermo Couple(R) Thermo Couple(S) Thermo Couple(J) Thermo Couple(K)	-200 to 1760°C (As Per ITS -90)
3	RH Controller and Indicator	10 to 100 % Rh
4	Digital Stop Watch	10 sec to 1 min 1 min to 1hr
5	Electrical Meters (i.e. Multi-Meter, Clamp-Meter etc.)	—

Thermal

Sr. No.	Name of Instruments	Range/LC
1	Temperature Sensor-RTD/TC with/ without Indicator -Individual and for Equipment	-80 to70°C 70 to 250°C 250 to 650°C
2	Liquid n Glass Thermometer and Temperature Dial Gauge	-80 to70°C 70 to 250°C
3	Humidity Sensor with/without indicator	35 to 95 %Rh @ 25°C 10-50°C @ 50%Rh
4	Temperature Sensor-TC with/without Indicator- Individual and for Equipments (Furnace)	300 to 1200 °C

Analytical Instruments

Sr. No.	Name of Instruments
1	PH meter, Transmitter
2	ORP /TDS meter, Transmitter
3	Conductivity meter, Transmitter
4	Turbidity meter
5	D.O. (Dissolved Oxygen) meter and many more

Calibration and Validation Services

EIE Instruments offers a wide variety of Calibration and Validation Services that meet FDA, ICH, and many European standards. We are well equipped with necessary Validation Accessories & SOP to carry out On-site Validation Process for following list of Instruments in any Pharmaceutical Industries.

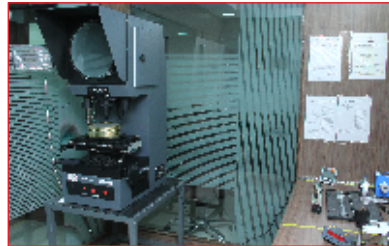
- | | |
|--|-------------------------------------|
| A. Horizontal Steam Sterilizer (Horizontal Autoclave) | H. Walk-In Stability chamber |
| B. Vertical Steam Sterilizer (Vertical Autoclave) | I. Refrigerator |
| C. Hot air oven | J. Freezer |
| D. Dry Heat Sterilizer | K. SIP System |
| E. Cooling chamber | L. CIP System |
| F. Cold Room | M. Waterbath |
| G. Stability Chamber | N. Heating bloc |

Validation Documents will contain following List of Information

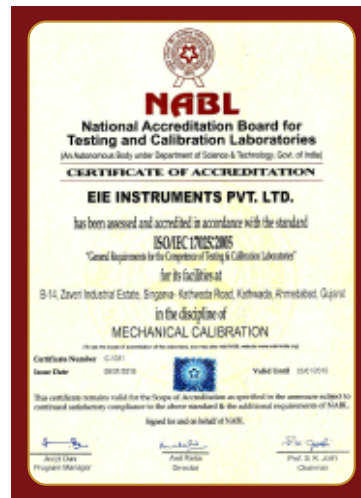
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|------------------------------------|---------------------------------|
| A. Diagram Procedures | E. Power Failure Studies |
| B. Graphical Representation | F. Recovery Studies |
| C. Hot & Cold Point | G. Result & Conclusion |
| D. Door Opening Studies | |

*We also provide Preventive Maintenance Contract (PMC) and Annual Maintenance Contract (AMC) on request.

Lab-At-Glance



NABL Certificates



Our Valuable Clients



Service provided by:

EIE INSTRUMENTS PVT. LTD.

(An ISO 9001 : 2008 Certified Company)

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