



THERMAL LABORATORY

Testing

Calibration

Expert Service

Capacity Building

प्रमुख टेक्निकल एंड कैलिब्रेशन सेंटर प्राइवेट लिमिटेड

PRAMUKH TECHNICAL AND CALIBRATION CENTRE PRIVATE LIMITED

एमएसएमई पंजीकरण और स्टार्टअप इंडिया- मान्यता का प्रमाण पत्र

ए-२०१, दूसरी मंजिल, अभिशेक कॉम्प्लेक्स-२, हरिपुरा बस स्टैंड के पास, असारवा-३८००१६, अहमदाबाद-गुजरात
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MSME Registration and Startup India- Certificate of Recognition



Pramukh Technical and Calibration Centre (PTCC) is an independent authority for Calibration and Testing Laboratory for instrument used in the power sector and process industries.

PTCC is NABL accredited calibration Laboratory having certificate no. CC-3406.

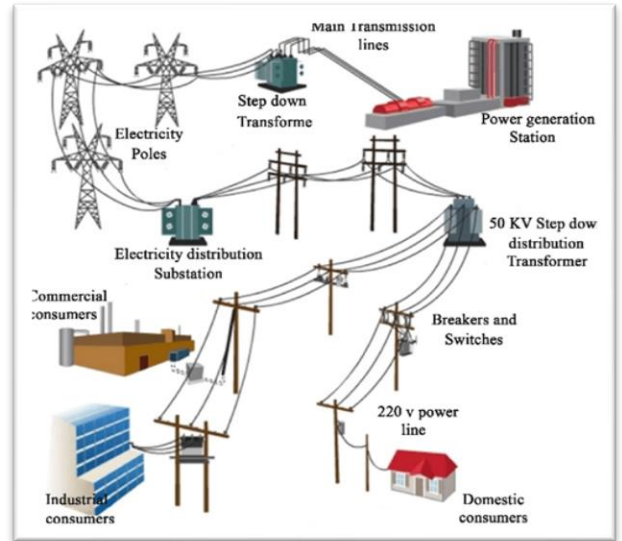
PTCC is located at second largest industrial center in western India i.e., Ahmedabad, Gujarat. We are also operating from Chandigarh, Vadodara, Mumbai, Halol, Nashik.

Our company is promoted by a group of highly experience technocrats under prestigious START-UP and MAKE IN INDIA initiative with great vision to play a major role in the continuous development by providing quality services.

Team had Successfully served many DISCOMs, TRANSCos, Regulatory Bodies, Private customers of the Power Sector. PTCC is Working in the major four verticals which are needed for the efficient and reliable solutions for the power sector.

Our team has vast experience in the power sector for performing different tasks like Testing, Calibration, Inspection, Project Management, Expert Services, Consultancy and Field study, previously worked at prestigious institute like **Electrical Research and Development Association (ERDA)** for more than a decade.

Our mentor is a Lead assessor for ISO/IEC: 17025:2017, 17020 & 17065. PTCC operates with code of conduct and ethics policy.



Testing

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Testing And Calibration: PTCC has invested heavily in latest equipment of reputed manufacture (Isotech, Yokogawa, Fluke, Wika, MTE, Mettler Toledo, Testo etc.) and our master equipments are TRACEABLE TO INTERNATIONAL AND NATIONAL STANDARDS as per ISO/IEC 17025. We have facility of calibration of Thermal, Mass Balance, Pressure, Speed, Electrotechnical and Medical Devices.

We offer a choice of services: pick-up and delivery, service at your site, or shipping to and from our labs. Our flexibility in service delivery means greater efficiency and less disruption to your business and processes.

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THERMAL LABORATORY



Temperature calibration is required for any device used in a system that measures temperature, in the most of the process industries temperature measuring devices installed. Thermal Laboratory is Accredited for both In-house & Onsite Calibration.

Instruments we can calibrate:

Climatic, Environment and Humidity chamber	Dry cabinet
Walking Stability Chamber	Digital Thermo hygrometer
Controlled Temperature & Humidity Area	Digital/ Dial humidity Meter,
Cold Room, Storage Room	Temperature & Humidity Sensor/Transmitter
BOD incubator / freezer, Deep Freezer, Freeze, Water Bath, Liquid bath, Dry block	Temperature & Humidity data logger
Humidity / Temperature Indicator with sensor	Humidity Indicator with probe
PRT/ RTD/ Thermocouple Sensor, Thermocouple	Autoclave, ETO
Temperature Furnaces, Lab Oven, Baking oven/furnace	Temperature Gauge, Temperature Switch
Glass Thermometer, Wet & Dry Thermometer	Chart Recorder with sensor, Strip chart recorder,
Controlled Temperature & Humidity Area	Waking Stability Chamber
Temperature Indicator with sensor of Temperature bath,	scanner

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Discipline: Thermal Calibration

Group: Specific heat & Humidity	Humidity & Temperature (Climatic, Environment & Humidity Chamber), Walking Stability Chamber, Controlled Temperature & Humidity Area, Cold Room, Storage Room @ (20 °C to 55 °C)
	Humidity / Temperature Indicator with sensor of Climatic Chamber / Environment Chamber/ Humidity Chambers/ Dry cabinet / Dehumidifier @ (25 °C) Dehumidifier
	Thermo Hygrometer, Digital/ Dial humidity Meter, Temperature & Humidity Sensor/Transmitter Temperature & Humidity data logger, Humidity Indicator with probe @ (50%RH)
	Temperature (PRT/ RTD/ Thermocouple Sensor, Transmitter with/without indicator), Temperature Datalogger, scanner, Chart Recorder with sensor
	Temperature Indicator with sensor of Temperature bath, Oven, Furnaces, Liquid bath, Dry block
Group: Temperature	Glass Thermometer, Dial Temperature Gauge, Lab Oven, Furnace, Climatic Chamber, Environment Chamber. Water Bath, Incubator, Autoclave, Humidity Chamber, Deep Freezer, Freeze, Waking Stability Chamber, Controlled Temperature & Humidity Area, Cold Room, Storage Room



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THERMAL VALIDATION



We are specializing in Thermal Validation in the various fields like Pharmaceutical, Biotechnology, Medical Devices industries etc. We have 200+ portable loggers for the recording the parameters.

The data logged from the mapping of the above equipment is further processed to give analysis reports like F0 values, lethal rate, standard deviation, lag time in case of autoclaves and, Hot spot and cold spot identification in case of other equipments and rooms.

Equipment Validation : Equipment Validation ensures that an instrument is appropriate for its intended use.

Typical validation phases are: Double door / Vertical Autoclave. Oven. Dry heat Sterilizer. Tray dryer / Vacuum Tray Dryer. Tunnel Sterilizer. Cold room BOD Incubator. Room Study (Temp. & RH) Water / Dry Bath. Manufacturing vessel. Refrigerator / Deep Freezer. Muffle / Furnace

The team has required knowledge of the standards and specifications of the products along with important parameter of the measuring equipments like accuracy, uncertainty, TUR, drift, control chart, uniformity, National and International traceability and quality. We also support for the **development of the products** to avoid the rejection and produce the product as per the standard.

We have an affiliation with different laboratories to provide one stop solution for all calibration as well as testing needs.



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MENTORS AND KEY PERSONNEL PROFILE

- Our mentor **Shri. U.C. Trivedi** is post graduate in Electrical Engineering, Charter Engineer and has vast and reach experience in the same field for more than **Three decades while serving Electrical Research and Development Association before superannuating at Joint Director**. Mr. Trivedi was instrumental in setting up a wide range of technical services such as EHV testing, Power system, Power Electronics, Energy audit, etc. at the Electrical Research and Development Association.

He is trained by NABL (National Accreditation Board of testing and calibration Laboratories, Government of India) on a quality management system in its first batch in 1994. He contributed considerably to NABL being members of various committees, drafted several documents, Technical & Lead assessor. He is having rich experience in high voltage, power systems, and diagnostic along with quality management systems.

- Our Safety auditor **Shri. Pradip S. Dave** is M.Tech (Power) & Charter Engineer, he was the one of the **Gold Medalist** in 1978 for the Bachelor in Electrical Engineering. His working experience is more then 3 decades in the power Sector for the different activities like Electrical contracting and Project Management, Third Party Inspection. Safety audit conducted for India's first super 1800 mw thermal power station at Talvandi sabo (Punjab, vedanta group).

- Our Energy Auditor **Dr. Jignesh P. Patel** is Accredited Energy Auditor- BEE. He is having 17 years of vast experience in Power System, Power Quality, Electrical Distribution System, Thermal System, Energy Optimization, Renewable Energy Sources Integration, Reactive Power Compensation study etc. successful completion of energy audit done for Rubber Industries, Power Plant, Chlor-Alkali, Metal Refineries /Industry, Heavy Engineering ,Industrial Gases, Pharmaceutical Industry, Textile Industry, Plastic Industry, Copper Smelting Plant, Steel & Iron, Steel Rolling Mill, Institutional & Commercial Complex etc.

Key Personnel:

- Mr. Kiran Panchal is having **25 years** of rich Experience in Healthcare industry, previously worked at renowned hospitals like Gujarat Research And Medical Institute, Shalby, Sal GCS, Medical College, Hospital And Research Center etc.
- Mr. Deval Bhavsar is having **12 years** of rich Experience in the Testing and Calibration/ Third Party Inspection for all type of Energy Meters.- Previously work in ERDA, Vadodara
- Mr. Dipak Prajapati is having **12 Years** of rich Experience in Calibration Activities for Electrotechnical, Mechanical, Thermal and Medical Equipments. Previously work in ERDA, Vadodara
- Mrs. Shreya Pandya is having **17 Years** of rich Experience in the Project Management, Tendering, Third Party inspection, Filed studies. **Committee Member of Women in Power IEEMA (Indian Electrical and Electronics Manufacturers Association)**. Previously work in ERDA, Vadodara.