

Calibration Lab

Our Test and Measuring Instruments Department (TMID) Calibration lab meets highest quality requirements of calibration with its well qualified, experienced and dedicated team of Engineers & Calibration lab facility. Quality is one of our non-compromising objectives. Our Quality System complies with ISO/IEC 17025:2005 standard requirements.

Competitiveness has become a live issue determining the overall economic health of every nation. With the open economic policies of Govt. of India, Indian Industries are faced with the need for Universal quality standards to survive in the competitive global market. In this environment, when quality is decisive, success of every organization depends on the techniques and methods of measurement. To-day the relationship between the need for measurement and the building of quality in product and service is of prime importance. Forecasting this need of a wide range of Indian Industries, we have set up a full fledged and dedicated Calibration Laboratory in Bangalore, India.

We have obtained NABL accreditation (from Govt. of India – Department of Science and Technology, New Delhi) in the field of Electro-Technical including RF, complying with latest version of Quality System as per ISO/IEC 17025:2005 for Both Inhouse & Onsite calibration activities.



Our NABL Accredited Calibration Facility

Measuring Instruments/Equipments:

Instruments/Equipments	Calibration Range/Facility
Analog/Digital Millimeters & Data Recorders	650V DC Voltage, 1A DC Current(Direct), and 60V AC voltage @300KHz
Frequency Meters & Counters	1 Hz to 6 GHz
Modulation Meter/Analyzer for AM/FM/Audio Analyzer etc	10MHz to 3 GHz @10 Hz to 50 KHz Rate & Deviation:AM-0 to 99% and FM-10 Hz to 200KHz
Power Meter/Power Analyzer/Spectrum Analyzer/Attenuators /Receivers etc	CW-10 Hz to 6GHz,RF Power Level: -65dBm to +24 dBm

Sourcing Instruments/Equipments:

Instruments/Equipments	Calibration Range/Facility
AC/DC Voltage/Current sources (Power Supplies,mV sources, mA sources etc)	750V/1000V AC/DC Voltage
Function Generators, Frequency/Signal sources/ARB Generators etc	Frequency:10Hz to 26.5 GHz, RF Power: -100 to +30dBm, Modulation: AM & FM up to 2 GHz @ Up to 200KHz deviation & 0 to 99% depth

We are OEM Authorized and Standard calibration facility for the region in the field of RF , Avionics and for Phase Noise Measurement System

Our Lab complies with OEM calibration procedure and standard and are certified by the OEM to perform calibration in India.

We provide OEM Authorized Calibration Service for the following products from Noise XT.

- 1) PN9000
- 2) DCNTS
- 3) PN9002

We provide Standard Calibration-Calibration as per OEM calibration Procedure for the below listed equipments.

- 1) All Makes RF Source and Signal generator up to 26.5GHz.
- 2) All Makes Frequency Counters up to 6GHz
- 3) All Makes Power Meter with sensor and Receiver and Spectrum Analyzer up to 6GHz
- 4) All Makes Modulation and Audio analyzer.
- 5) All Makes attenuators up to 6GHz.
- 6) All Makes Power supply and Multimeter.

We provide OEM Authorized Avionics Calibration Service for the following TIC-Tel Instrument Electronic Corp Make products

- 1) TR-36 Nav Comm ELT SELCAL TEST SET
- 2) TR-220 Multi-Function Avionics Test Set.

Our Standard Avionics Calibration Facility

Any Avionics Transmitter & Receiver and digital analysis equipments, Communication service monitors , Avionics Signal Generators , RAMP testers With any of these functions ->	Frequency: 10Hz to 3 GHz, Power: Up to 50W (source) and 150W (Measure). ELT ,VOR,ILS, Glide slope , VHF and UHF comm. receiver. VSWR, Harmonics , Marker Beacon, SSB and Transmit Test functions
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