

Laboratory Plasma & Vacuum Technologies, Plot No. 17, Road 1-A GIDC, Kathwada, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2702 **Page** 1 of 1

Validity 28.05.2018 to 27.05.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	PRESSURE INDICATING DEVICES			
1.	Absolute Pressure / Ionization Gauge, Penning Gauge ^{\$}	10^{-6} mbar to 10^{-3} mbar	6.35% rdg	Using Ion Gauge by Comparison Method
2.	Absolute Pressure/ Digital / Analog ^{\$}	10^{-3} mbar to 1 mbar	3.62% rdg	Using Capacitance Diaphragm Gauge by Comparison Method
3.	Vacuum Gauge, Capacitance Diaphragm Gauge, Pirani Gauge, Thermocouple Gauge ^{\$}	1mbar to 100 mbar 100mbar to 1000 mbar	5.59% rdg 2.5% rdg	Using Capacitance Diaphragm Gauge by Comparison Method
4.	Leak Rate/ Helium Standard Leak ^{\$}	1.9×10^{-10} Pa.m ³ /s to 1.0×10^{-2} Pa.m ³ /s	1.6838×10^{-11} Pa.m ³ /s	Using Standard Leak /Mass Spectrometry Helium Leak Detector by Comparison Method

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

^{\$}Only in Permanent Laboratory

Sangeeta Kunwar
Convenor

Avijit Das
Program Director