National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SS INSTRUMENTS, NO. 96, 4TH CROSS, 2ND MAIN, INDUSTRIAL LANE, KAMAKSHI PALYA, BENGALURU, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3993	**Page No**	1 of 3
Validity	20/07/2024 to 19/07/2026	**Last Amended on**	07/08/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (PRECISION INSTRUMENTS)	LVDT with Indicator (Displacement instruments)	Using Micrometer Set up by comparison method	0 to 25 mm	0.02 mm

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Site Facility					
1	MECHANICAL-PRESSURE INDICATING DEVICES	(Hydraulic) Digital Pressure Gauge	Using pressure hand pump and digital indicator by comparison method as per DKD-R-6-1	0 to 350 bar	0.099 bar
2	MECHANICAL-PRESSURE INDICATING DEVICES	(Pneumatic) Differential Pressure indicator	Using Leak Calibrator(DP) by comparison method as per DKD-R-6-1	-2000 Pa to 2000 Pa	3.61 Pa
3	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Pressure Gauge	Using Leak Calibrator gauge pressure by comparison method as per DKD-R-6-1	0 to 80000 Pa	10 Pa
4	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Gauge	Using Leak Calibrator Gauge pressure by comparison method as per DKD-R-6-1	0 to 1000 kPa	2.87 kPa
5	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Static Uniaxial testing machines in compression and tension mode	Using precision load cell and digital load indicator as per IS 1828:2022/ ISO 7500	2 kN to 20 kN	0.5 %

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6	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Static Uniaxial testing machines in compression and tension mode	Using precision load cell and digital load indicator as per IS 1828:2022/ ISO7500	20 kN to 200 kN	0.5 %
7	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Static Uniaxial testing machines in compression and tension mode	Using precision load cell and digital load indicator as per IS 1828: 2022/ ISO 7500	20 N to 200 N	0.7 %
8	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Static Uniaxial testing machines in compression and tension mode	Using precision load cell and digital load indicator as per IS 1828:2022/ ISO 7500	200 N to 2000 N	0.7 %
9	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Static Uniaxial testing machines in compression mode only	Using precision load cell and digital load indicator as per IS 1828:2022/ ISO7500	200 kN to 1000 kN	1.63 %

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**