



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

PRESCIENCE CALIBRATION PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

NO. 5, 5TH F CROSS, 5TH MAIN, GANAPATHIPURA, KANAKPURA MAIN ROAD, BENGALURU,
KARNATAKA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2299

Issue Date: 25/12/2021

Valid Until: 24/12/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : Prescience Calibration Pvt Ltd

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



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Validity 25/12/2021 to 24/12/2023 **Last Amended on** 16/02/2022

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 (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Collimator	Using Theodolite by comparison method	Horizontal up to 1°	3arc Sec.
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Collimator	Using Theodolite by comparison method	Vertical up to 1°	4.5arc Sec
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Optical Level	Using Indexing Table and dual axis collimator and universal stand by comparison method	Horizontal up to 360°	0.32°
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Optical Level	Using dual axis collimator and universal stand by comparison method	Vertical up to +/- 1°	6.4arc Sec



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5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	DC Nutrunner	Using Angle sensor with Indicator by comparison method	Up 360°	0.25°
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Line Laser	Using 3D level distance simulator by comparison method	Horizontal range 360°	2.6arc Sec.
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Line Laser	Using 3D Level distance simulator by comparison method	Vertical up 1°	1mm at 30 m
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Line Laser	Using 3D Level distance simulator by comparison method	Z axis 1°	1mm at 30 m
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Point Laser	Using 3D Level distance simulator by comparison method	Horizontal Range up 360°	2.6arc Sec



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10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Point Laser	Using 3D Level distance simulator by comparison method	Vertical 1°	1mm at 30 m
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Point Laser	Using 3D Level distance simulator by comparison method	Z axis up 1°	1mm at 30 m
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Rotary encoder	Using 3D Level distance simulator / Theodolite by Comparison Method	Up 360°	0.03°
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Rotary Laser	Using 3D Level distance simulator by comparison method	Vertical / Z Axis Up 1°	1mm at 30 m
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Theodolite	Using dual axis collimator and universal stand by comparison method	Horizontal up 360°	2.6arc Sec



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15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Theodolite	Using dual axis collimator and universal stand by comparison method	Vertical up 360°	3.7arc Sec
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Total Station (Dual axis)	Using dual axis collimator and universal stand by comparison method	Horizontal up 360°	2.7arc Sec
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Total Station (Dual axis)	Using dual axis collimator and universal stand by comparison method	Vertical up 360°	3.8arc Sec
18	MECHANICAL-TORQUE GENERATING DEVICES	DC Nutrunner - Fixed / Hand Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	0.8 Nm to 1.9 Nm	6.0%
19	MECHANICAL-TORQUE GENERATING DEVICES	DC Nutrunner - Fixed / Hand Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	1.9 Nm to 500 Nm	0.57%
20	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	1 Nm to 120 Nm	0.5%



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21	MECHANICAL-TORQUE MEASURING DEVICES	Torque Measuring Device	Using Dead Weight Torque Calibration Machine as per BS 7882:2017	>12 Nm to 250 Nm	0.03%
22	MECHANICAL-TORQUE MEASURING DEVICES	Torque Measuring Device	Using Dead Weight Torque Calibration Machine as per BS 7882:2017	>250 Nm to 2000 Nm	0.03%
23	MECHANICAL-TORQUE MEASURING DEVICES	Torque Measuring Device	Using Dead Weight Torque Calibration Machine as per BS 7882:2017	0.2 Nm to 12 Nm	0.08%



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Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Collimator	Using Theodolite by comparison method	Horizontal up 1°	3arc Sec.
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	2-Axis Collimator	Using Theodolite by comparison method	Vertical up 1°	4.5arc Sec
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	DC Nutrunner	Using Angle sensor with Indicator by comparison method	Up 360°	0.25°
4	MECHANICAL-TORQUE GENERATING DEVICES	DC Nutrunner - Fixed / Hand Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	>1.9 Nm to 500 Nm	0.57%
5	MECHANICAL-TORQUE GENERATING DEVICES	DC Nutrunner - Fixed / Hand Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	0.8 Nm to 1.9 Nm	6.8%



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6	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool	Using Master Torque Transducer by Comparison Method based on VDI 2645	1 Nm to 120 Nm	0.67%

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