SCOPE OF ACCREDITATION

Laboratory Name :	BAUMER TECHNOLOGIES INDIA PVT. LTD.(CALIBRATION DIVISION), PLOT NO. 34, PHASE 1, GIDC,, VAPI, VALSAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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.)	Caliper - Digital / Analog / Dial (L.C.: 0.01 mm)	Using Slip Sauge Set & Caliper Checker by Comparison Method	0 to 600 mm	12.7µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	0 to 25 mm	2µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer (L.C.: 0.001 mm)	Using Slip Gauge Set by Comparison Method	25 mm to 50 mm	2.8µm
4	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Dead Weight Tester - Hydraulic	Using Piston Gauge by Cross Float (Pressure) Method as per Euramet cg-3 Ver 1.0 (03/2011):	50 bar (g) to 2000 bar (g)	0.013% rdg

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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)(±)
5	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Pressure Dead Weight Tester - Pneumatic	Using Piston Gauge & Manual Pneumatic Pressure Controller by Cross Float (Pressure) Method as per Euramet cg-3 Ver 1.0 (03/2011)	0 bar (g) to 3.5 bar(g)	0.0296%rdg
6	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Pressure Dead Weight Tester - Pneumatic	Using Piston Gauge & Manual Pneumatic Pressure Controller by Cross Float (Pressure) Method as per Euramet cg-3 Ver 1.0 (03/2011)	0.4 bar (g) to 70 bar (g)	0.0296% rdg
7	MECHANICAL-PRESSURE BALANCE OR DEAD WEIGHT TESTER	Vacuum Dead weight Tester - Pneumatic	Using Piston Gauge & Manual Pneumatic Pressure Controller by Cross Float (Pressure) Method as per Euramet cg-3 Ver 1.0 (03/2011)	(-) 1 bar (g) to 0 bar (g)	0.0296% rdg
8	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge & Hydraulic Comparator (Oil based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 2000 bar	0.2% rdg

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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)(±)
9	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Piston Gauge with Hydraulic Pressure Generation System and Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	50 bar to 2000 bar	0.009% rdg
10	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 20 bar (g)	0.041% rdg
11	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 30 bar (g)	0.05% rdg

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12	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 70 bar (g)	0.05% rdg
13	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Piston Gauge & Manual Pneumatic Pressure Controller with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0.2 bar (g) to 3.5 bar (g)	0.0078% rdg
14	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Piston Gauge & Manual Pneumatic Pressure Controller with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	1 bar (g) to 70 bar (g)	0.0072% rdg

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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)(±)
15	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge and Hydraulic Comparator (Oil Based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 250 bar	0.031% rdg
16	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge & Hydraulic Comparator (Oil Based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 700 bar	0.21% rdg
17	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Modules / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 2 bar (g)	0.036% rdg

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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)(±)
18	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Vacuum Gauge, Vacuum Module / Transmitter with & without Indicator, Vacuum Calibrator	Using Digital Vacuum Gauge with Vacuum Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	(-) 1 bar (g) to 0 bar (g)	0.06% rdg
19	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Vacuum Gauge, Vacuum Module / Transmitter with & without Indicator, Vacuum Calibrator	Using Piston Gauge & Manual Pneumatic Pressure Controller with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	(-) 1 bar (g) to 0 bar (g)	0.0079% rdg
20	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter Low Pressure	Using Digital Manometer with Low Pressure Pump by Comparison Method as per DKD R 6-1: 2014	(-) 25 mbar to 25 mbar	0.09mbar
21	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter - Low Pressure	Using Digital Manometer with Low Pressure Pump & Multifunction Calibrator by Comparison Method	(-) 100 mbar to 100 mbar	0.08mbar

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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)(±)
22	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter - Low Pressure	Using Digital Manometer with Low Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	(-) 12.5 mbar to 12.5 mbar	0.06mbar
23	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Nitrogen (Fix Point) by Comparison Method	(-) 196 °C	0.11°C
24	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Bath by Comparison Method	(-) 80 °C to 0 °C	0.12°C

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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)(±)
25	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Bath by Comparison Method	0 °C to 150 ° C	0.06°C
26	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Dry Block by Comparison Method	150 °C to 600 °C	0.06°C
27	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / Thermocouple with & without Indicator / Transmitter	Using S-Type Thermocouple with Indicator (MFC) & Dry Block by Comparison Method	600 °C to 1200 °C	1.72°C
28	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath (Dry / Liquid), Furnace, Oven, Chamber - Single Position	Using SPRT with Indicator (6½ DMM) by Comparison Method	150 °C to 600 °C	0.06°C

SCOPE OF ACCREDITATION

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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)(±)
29	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Temperature Bath (Dry/Liquid), Furnace, Oven, Chamber - Single Position	Using S-Type Thermocouple with Indicator (MFC) by Comparison Method	600 °C to 1200 °C	1.56°C
30	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath (Dry/Liquid), Furnace, Oven, Chamber, Freezer - Single Position	Using SPRT with Indicator (6½ DMM) by Comparison Method	(-) 80 °C to 150 °C	0.12°C

SCOPE OF ACCREDITATION

Laboratory Name : BAUMER TECHNOLOGIES INDIA PVT. LTD.(CALIBRATION DIVISION), PLOT NO. 34, PHASE 1, GIDC,, VAPI, VALSAD, GUJARAT, INDIA

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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)(±)
Site Facility					
1	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge & Hydraulic Comparator (Oil based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 2000 bar	0.2% rdg
2	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 20 bar (g)	0.041% rdg
3	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 30 bar (g)	0.05% rdg

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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)(±)
4	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Gauge, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 70 bar (g)	0.05% rdg
5	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge and Hydraulic Comparator (Oil Based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 250 bar	0.031% rdg
6	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Module / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Hydraulic	Using Digital Pressure Gauge & Hydraulic Comparator (Oil Based) with Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar to 700 bar	0.21% rdg

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Laboratory Name :	BAUMER TECHNOLOGIES INDIA PVT. LTD.(CALIBRATION DIVISION), PLOT NO. 34, PHASE 1, GIDC,, VAPI, VALSAD, GUJARAT, INDIA		
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7	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Pressure Guage, Pressure Modules / Transmitter with & without Indicator, Pressure Calibrator, Pressure Chart Recorder - Pneumatic	Using Digital Pressure Gauge with Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	0 bar (g) to 2 bar (g)	0.036% rdg
8	MECHANICAL-PRESSURE INDICATING DEVICES	Digital / Analog Vacuum Gauge, Vacuum Module / Transmitter with & without Indicator, Vacuum Calibrator	Using Digital Vacuum Gauge with Vacuum Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	(-) 1 bar (g) to 0 bar (g)	0.06% rdg
9	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter Low Pressure	Using Digital Manometer with Low Pressure Pump by Comparison Method as per DKD R 6-1: 2014	(-) 25 mbar to 25 mbar	0.09mbar
10	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter - Low Pressure	Using Digital Manometer with Low Pressure Pump & Multifunction Calibrator by Comparison Method	(-) 100 mbar to 100 mbar	0.08mbar

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Laboratory Name :	BAUMER TECHNOLOGIES INDIA PVT. LTD.(CALIBRATION DIVISION), PLOT NO. 34, PHASE 1, GIDC,, VAPI, VALSAD, GUJARAT, INDIA		
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11	MECHANICAL-PRESSURE INDICATING DEVICES	Digital Manometer, Magnehelic Gauge, Pressure Transmitter - Low Pressure	Using Digital Manometer with Low Pressure Pump & Multifunction Calibrator by Comparison Method as per DKD R 6-1: 2014	(-) 12.5 mbar to 12.5 mbar	0.06mbar
12	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Nitrogen (Fix Point) by Comparison Method	(-) 196 °C	0.11°C
13	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Bath by Comparison Method	(-) 80 °C to 0 °C	0.12°C

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14	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Liquid Bath by Comparison Method	0 °C to 150 ° C	0.06°C
15	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / RTD & Thermocouple with Indicator / Thermocouple without Indicator / Transmitter	Using SPRT with Indicator (6½ DMM) & Dry Block by Comparison Method	150 °C to 600 °C	0.06°C
16	THERMAL-TEMPERATURE	Digital / Analog Temperature Gauge / Thermocouple with & without Indicator / Transmitter	Using S-Type Thermocouple with Indicator (MFC) & Dry Block by Comparison Method	600 °C to 1200 °C	1.72°C
17	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath (Dry / Liquid), Furnace, Oven, Chamber - Single Position	Using SPRT with Indicator (6½ DMM) by Comparison Method	150 °C to 600 °C	0.06°C

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18	THERMAL-TEMPERATURE	Temperature Indicator with sensor of Temperature Bath (Dry/Liquid), Furnace, Oven, Chamber - Single Position	Using S-Type Thermocouple with Indicator (MFC) by Comparison Method	600 °C to 1200 °C	1.56°C
19	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath (Dry/Liquid), Furnace, Oven, Chamber, Freezer - Single Position	Using SPRT with Indicator (6½ DMM) by Comparison Method	(-) 80 °C to 150 °C	0.12°C

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