



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

METROCAL TECHNOLOGIES, "AAI BUNGLOW" GAT NO 201, SADGURU PARK SOCIETY, VILLAGE AWHALWADI, WAGHOLI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3465

Page No

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Validity

17/08/2022 to 16/08/2024

Last Amended on

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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-PRESSURE INDICATING DEVICES	Hydraulic Pressure (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Hydraulic Dead Weight Tester with 6.5 Digit Multimeter based on DKD-R6-1	1 to 60 bar	0.018%rdg
2	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Hydraulic Dead Weight Tester, 6.5 Digit Multimeter based on DKD-R6-1	60 bar to 1200 bar	0.016%rdg
3	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	150 mbar to 70 bar	0.003%rdg



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4	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Absolute Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch)	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	20 mbar abs to 200 mbar abs	0.015%rdg
5	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Absolute Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	150 mbar abs to 70 bar abs	0.003%rdg
6	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Absolute Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch)	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	200 mbar abs to 3.5 bar abs	0.006%rdg



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7	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Absolute Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch)	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	3.5 bar abs to 13.5 bar abs	0.006%rdg
8	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	.Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	15 mbar to 200 mbar	0.015%rdg
9	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	200 mbar to 3.5 bar	0.006%rdg



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10	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressures (Digital/Analog Pressure Gauge, Pressure Controller, Pressure Indicator, Transducer / Transmitter with /without Indicator, Pressure Switch).	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	3.5 bar to 13.5 bar	0.006%rdg
11	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum-Negative Pressures (Digital/Analog Vacuum Gauge, Vacuum Controller, Vacuum Indicator, Vacuum Transducer / Transmitter with/without Indicator, Vacuum Switch)	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	-200 mbar to -15 mbar	0.015%rdg
12	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum-Negative Pressures (Vacuum Digital/Analog Gauge, Vacuum Controller, Vacuum Indicator, Vacuum Transducer / Transmitter with/without Indicator, Vacuum Switch)	Using Pneumatic Piston Gauge with 6.5 Digit Multimeter based on DKD-R6-1	-200 mbar to -0.92 bar	0.006%rdg



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

