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Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	R&D Instrument Services, No. 5/3A, Poomagal 3 rd Street, Ambal Nagar, Ekkattuthangal, Chennai		
Accreditation Standard	ISO/IEC 17025:2005		
Field	Mechanical Calibration	Issue Date	15.10.2010
Certificate Number	C-0673	Valid Until	14.10.2012
Last Amended on	27.12.2011	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>AT LABORATORY</u>			
1. PRESSURE-HYDRAULIC (Digital indicators, Pressure gauges Digital Calibrators, Pressure Recorders Transmitters and Switches)	1 bar to 700 bar	0.022%	Using Hydraulic Dead Weight Tester – Work Procedure Based on Specification DKD R-6-1
2. PRESSURE-PNEUMATIC (Digital indicators, Pressure gauges, Digital calibrators Transmitters and Switches)	0.2 bar to 35 bar	0.015%	Using Pneumatic Dead Weight Tester – Work Procedure Based on Specification DKD R-6-1
3. VACUUM (Digital Indicators, Vacuum gauges, Digital calibrators, Pressure Recorders, Transmitters and Switches and manometers)	0 to – 1000 mbar	0.05%	Using Pneumatic Dead Weight Tester – Work Procedure Based on Specification DKD R-6-2
4. DIFFERENTIAL PRESSURE (Pressure Gauges Indicators, Controllers, Transmitters, Switches, Manometers)	0 to 200 mm 200 mm to 2000mm Water column	1.2 % 0.20%	Using Digital Manometer P-08 & P-12, Work Procedures Based On Specification DKD R-6-1

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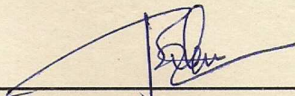
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AT SITE			
5. PRESSURE-HYDRAULIC (Digital indicators, Pressure gauges, Digital calibrators, Pressure Recorders Transmitters and Switches)	1 bar to 700 bar	0.07%	Using R&D Digital Calibrators EPC200, EPC-350, EPC- 70, Work Procedures Based on Specification DKD R-6-1
6. PRESSURE-PNEUMATIC (Digital Indicators, Pressure gauges Digital calibrator, Pressure Recorders, Transmitters and Switches)	0.1 bar to 20 bar	0.05%	Using Digital Calibrators DPI 145, EPC -40, Work Procedures Based on Specification DKD R-6-1
	20 bar to 35 bar	0.25%	
7. VACUUM (Digital Indicators Vacuum gauges digital calibrators pressure Recorders, Transmitters Switches and manometers)	0 to -1 bar	0.35%	Using Duck Digital Calibrators DPI 145, Work Procedures based on Specification DKD R-6-2
8. DIFFERENTIAL PRESSURE (Pressure Gauges Indicators, switches, controllers, transmitters and manometers)	0 to 200mm	1.50%	Using Digital Manometers P-11 & P-12,
	200mm to 2000mm Water column	0.20%	Work Procedures Based on Specification DKD R-6-1

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



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