



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F-101, 101 A, TF-94-98, Rudraksh Complex-II, Jashoda Nagar Cross Roads, Phase -III, GIDC, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2480 (In lieu of C-0984, C-1039, C-1040) **Page** 1 of 14

Validity 26.11.2017 to 25.11.2019 **Last Amended on** 06.12.2017

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO-TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	Temperature Simulation # K Type Thermocouple J Type Thermocouple B Type Thermocouple R Type Thermocouple S Type Thermocouple T Type Thermocouple RTD PT 100	(-)50°C to 1300°C (-)100°C to 1200°C 600°C to 1800°C 360°C to 1700°C 300°C to 1700°C (-)50°C to 400°C (-)200°C to 800°C	0.90°C to 0.75°C 0.82°C 2.52°C to 1.41°C 1.55°C 1.82°C to 1.56°C 1.01°C 0.41°C to 0.63°C	Using Advance calibrator by Direct Method
2.	1 Phase/3 Phase Power #	50Hz 50 to 250V 0.1A- 5A -0.5 to +0.5 PF (7.5W - 3750W)	0.34% to 0.21%	Using 3 Phase Power / Energy Calibrator Zeal By Direct Method
3.	1 Phase/3 Phase Energy #	50Hz 50-250V 0.1A- 5A (-)0.5 to +0.5 PF (1.25Wh - 625Wh)	0.25% to 0.44%	Using 3 Phase Power / Energy Calibrator Zeal By Direct Method
4.	Power Factor #	50Hz (-)0.5 to +0.5 PF	0.012 PF	Using 3 Phase Power / Energy Calibrator Zeal By Direct Method

Mohit

Mohit Kaushik
Convenor

Avijit

Avijit Das
Program Director



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F-101, 101 A, TF-94-98, Rudraksh Complex-II, Jashoda Nagar Cross Roads, Phase -III, GIDC, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2480 (In lieu of C-0984, C-1039, C-1040) **Page** 2 of 14

Validity 26.11.2017 to 25.11.2019 **Last Amended on** 06.12.2017

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
5.	DC Voltage #	10 mV to 100 mV 100 mV to 1000V	0.27% to 0.13% 0.13% to 0.12%	Using MFC Zeal By Direct Method
6.	AC Voltage #	50Hz 10 mV to 100 mV 100 mV to 1000V	0.52% to 0.22% 0.22%	Using MFC Zeal By Direct Method
7.	DC Current #	0.2mA to 24mA 24mA to 100mA 100mA to 10A 10A to 800A	2.1% to 0.042% 0.2% to 0.21% 0.21% to 0.40% 1.48% to 0.51%	Using Advanced calibrator & MFC with Current coil By Direct Method
8.	AC Current #	1mA to 100 mA 100mA to 10A 10A to 800A	0.36% to 0.25% 0.25% to 0.42% 1.55% to 1.27%	Using MFC with Current coil By Direct Method
9.	Frequency #	10Hz to 50kHz	1.5% to 0.03%	Using Advanced Calibrator By Direct Method
10.	DC Resistance #	1 Ω to 1 G Ω 1G Ω to 100 G Ω	1.4% to 2.65% 2.65% to 6.0%	Using Decade Box By Direct Method
II.	MEASURE			
1.	DC Voltage #	1mV to 100mV 100mV to 1V 1V to 1000V	0.70% to 0.012% 0.01% to 0.2% 0.2% to 0.041%	Using DMM Fluke By Direct/Comparison Method
2.	AC Voltage #	50Hz 100mV to 1V 1V to 1000V	0.12% to 0.2% 0.2% to 0.10%	Using DMM Fluke By Direct/Comparison Method

Mohit
Mohit Kaushik
Convenor

Avijit Das
Avijit Das
Program Director



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F-101, 101 A, TF-94-98, Rudraksh Complex-II, Jashoda Nagar Cross Roads, Phase -III, GIDC, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2480 (In lieu of C-0984, C-1039, C-1040) **Page** 3 of 14

Validity 26.11.2017 to 25.11.2019 **Last Amended on** 06.12.2017

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
3.	DC Current #	0.1mA to 1mA 1mA to 100mA 100mA to 1A 1A to 10A	1.01% to 0.06% 0.06% to 0.07% 0.07% to 0.2% 0.04% to 0.19%	Using DMM Fluke By Direct/Comparison Method
4.	AC Current #	50Hz 0.1mA to 1mA 1mA to 100mA 100mA to 1A 1A to 10A	1.0% to 0.3% 0.3% to 0.19% 0.19% to 0.3% 0.3% to 0.24%	Using DMM Fluke By Direct/Comparison Method
5.	Frequency #	10Hz to 50kHz	0.04% to 0.03%	Using DMM Fluke By Direct Method
6.	DC Resistance #	1 Ω to 1G Ω	0.7% to 2.32%	Using DMM Fluke By Direct Method
7.	Temperature Simulation # Thermocouple K type J type B type R Type S type T type RTD PT 100	(-) 50°C to 1300°C (-)100°C to 1150°C 600°C to 1800°C 360°C to 1700°C 300°C to 1700°C (-)50°C to 400°C (-)200°C to 800°C	0.88°C to 0.75°C 0.82°C 2.52°C to 1.41°C 1.55°C 1.82°C to 1.55°C 1.01°C 0.28°C to 0.39°C	Using Advance Calibrator By Direct Method
8.	Time #	7s to 3600s 3600s to 86400s	2.42s to 2.53s 2.53s to 20.49s	Using Digital Stop Watch By Comparison Method

Mohit Kaushik
Convenor

Avijit Das
Program Director



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F-101, 101 A, TF-94-98, Rudraksh Complex-II, Jashoda Nagar Cross Roads, Phase -III, GIDC, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2480 (In lieu of C-0984, C-1039, C-1040) **Page** 4 of 14

Validity 26.11.2017 to 25.11.2019 **Last Amended on** 06.12.2017

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
9.	AC High Voltage #	50Hz 1kV to 5 kV	8.3% to 5.8%	Using HV Probe with DMM By Comparison Method
10.	DC High Voltage #	1kV to 5 kV	5.0%	Using HV Probe with DMM By Comparison Method
11.	AC High Voltage *	1kV to 30 kV	8.3% to 5.7%	Using HV Probe with DMM By Comparison Method
12.	DC High Voltage *	1kV to 30 kV	5.0%	Using HV Probe with DMM by Comparison Method

Mohit Kaushik

Mohit Kaushik
Convenor

Avijit Das

Avijit Das
Program Director