



NABL

Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	Belz Calibration Laboratory, 5L-123, N.I.T., Faridabad		
Accreditation Standard	ISO/IEC 17025:2005		
Field	Electro-Technical Calibration	Issue Date	27.04.2011
Certificate Number	C-0158	Valid Until	27.06.2012
Last Amended on	-	Page	7 of 8

Measured Qty / Instrument	Range	*Calibration Measurement Capability (\pm)	Remarks
10. AC VOLTAGE	50 Hz 100 mV to 10 V 10 V to 750 V	0.15% 0.15%	Using 6 $\frac{1}{2}$ DMM by Comparison /Direct method
11. AC CURRENT	50 Hz 100 μ A to 100 mA 100mA to 3A 3 A to 10A 10A to 800A	1.2% to 0.15% 0.15% 0.15% to 1.8% 2.41%	Using 6 $\frac{1}{2}$ DMM by Comparison /Direct method
12. RESISTANCE	1 Ω to 10 Ω 10 Ω to 1M Ω 1M Ω to 100M Ω	0.5% to 0.06% 0.06% to 0.13% 0.13% to 0.2%	Using 6 $\frac{1}{2}$ DMM by Comparison /Direct method
13. FREQUENCY	45 Hz to 1000Hz	0.15% to 0.05%	Using 6 $\frac{1}{2}$ DMM
14. SPEED (Non Contact)	100 rpm to 10000 rpm 10000 rpm to 20000 rpm	5.65% to 0.3% 0.2%	Using Digital Tachometer by Comparison/Direct method
15. STOP WATCH /TIMER (Digital / Mechanical)	10 sec. to 24 hrs.	0.5sec.	Using Digital Stop watch by Comparison/Direct method
16. AC HIGH VOLTAGE	1 kV to 25 kV	5.23%	Using HV probe with DMM


Convenor