



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	Belz Calibration Laboratory, 5L-123, N.I.T., Faridabad	Issue Date	27.04.2011
Accreditation Standard	ISO/IEC 17025:2005	Valid Until	27.06.2012
Field	Electro-Technical Calibration	Page	1 of 8
Certificate Number	C-0158		
Last Amended on	-		

Measured Qty / Instrument	Range	*Calibration Measurement Capability ( $\pm$ )	Remarks
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### AT LABORATORY

#### SOURCE

1. DC VOLTAGE	1 mV to 300mV 300 mV to 300V 300 V to 1000V	0.5% to 0.01% 0.01% to 0.02% 0.02% to 0.14%	Using Fluke 9100 MF Calibrator by Direct Method
2. DC CURRENT	1 $\mu$ A to 300 mA 300 mA to 10A 10A to 1000A	1.5% to 0.03% 0.03% to 0.09% 0.09% to 0.7%	Using Fluke 9100 MF Calibrator with 10 Turn Coil & 50 Turn Coil
3. AC VOLTAGE	50 Hz 30 mV to 100V 100V to 1000V	1.2% to 0.08% 0.08%	Using Fluke 9100 MF Calibrator By Direct Method
4. AC CURRENT	50 Hz 300 $\mu$ A to 300mA 300mA to 10A 10A to 500A 500A to 1000A	0.2% to 0.12% 0.12% to 0.28% 0.28% to 0.9% 3.3%	Using Fluke 9100 MF Calibrator By Direct Method Using V*I method
5. RESISTANCE	0.001 $\Omega$ 0.01 $\Omega$ 0.1 $\Omega$  1 $\Omega$ to 4 M $\Omega$ 4 M $\Omega$ to 40 M $\Omega$ 40 M $\Omega$ to 300 M $\Omega$ 2G $\Omega$	0.1% 0.06% 0.06%  1.32% to 0.07% 0.07% to 0.25% 0.25% to 0.34% 3.5%	Using Standard Resistance (Fixed Value) Using Fluke 9100 MF Calibrator By Direct Method

Convenor