Laboratory	**Testing and Calibration Laboratory, Secure Meters Limited, RIICO Bhamashah Industrial Area, Kaladwas, Udaipur, Rajasthan**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Electro - Technical Calibration**	**Issue Date**	**28.06.2014**
Certificate Number	**C-0372**	**Valid Until**	**27.06.2016**
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	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
1.	**AC VOLTAGE$**	**50 Hz**		
		40 V to 550V	0.03%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
2.	**AC CURRENT$**	**50 Hz**		
		1 mA to 5 mA	0.51%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
		5 mA to 100 A	0.05%	
3.	**POWER FACTOR$**	**50 Hz**		
		PF = ± 0.25 pf to 1 pf	0.0077 pf	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
4.	**AC ENERGY/POWER$**			
	Single Phase Active	**40V to 320V**		
		47.5 Hz to 60 Hz		
		a) 5 mA (UPF)	0.09%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
		>5 mA to 10 mA (0.5PF to UPF)		
		b) 10 mA to 120A (0.5PF to UPF)	0.05%	
	Three Phase Active	**40 V to 320 V**		
		47.5 Hz to 60 Hz		
		a) 5 mA (UPF)	0.09%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
		>5 mA to 10 mA (0.5PF to UPF)		
		b) 10 mA to 120A (0.5PF to UPF)	0.05%	

Avijit Das
Program Manager

Sangeeta Kunwar
Convenor

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
Single Phase Reactive	**40 V to 320 V** **47.5 Hz to 60 Hz** a) 5 mA (SinØ=1.0) >5 mA to 10 mA (SinØ=±0.5 to 1) b) 10 mA to 120A (SinØ=±0.5 to 1)	0.14% 0.06%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method
Three Phase Reactive	**40 V to 320 V** **47.5 Hz to 60 Hz** a) 5 mA (SinØ=1.0) >5 mA to 10 mA (SinØ=±0.5 to 1) b) 10 mA to 120A (SinØ=±0.5 to 1)	0.14% 0.06%	Using 3 ϕ Precision Measuring Instrument (EPZ303-5) by comparison method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%.**
$Only in Permanent Laboratory

Avijit Das
Program Manager

Sangeeta Kunwar
Convenor