

Laboratory **Testing & Calibration Laboratory, Secure Meters Limited, RIICO
Bhamashah Industrial Area, Kaladwas, Udaipur, Rajasthan**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **CC-2713 (in lieu of C-0372)** **Page** **1 of 2**

Validity **28.06.2018 to 27.06.2020** **Last Amended on -**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
<u>ELECTRO - TECHNICAL CALIBRATION</u>				
I.	MEASURE			
1.	AC Voltage ^s	50Hz 40V to 550V	0.04%	Using 3 Φ Precision Measuring Instrument (EPZ303-5) by Comparison Method
2.	AC Current ^s	50 Hz 1mA to 5mA >5mA to 100A	0.51% 0.14%	Using 3 Φ Precision Measuring Instrument (EPZ303-5) by Comparison Method
3.	Power Factor ^s	50Hz PF = ±0.25 to 1	0.014 (PF)	Using 3 Φ Precision Measuring Instrument (EPZ303-5) by Comparison Method
4.	AC Energy ^s	47.5Hz to 60Hz 40Vto 320 V		Using 3 Φ Precision Measuring Instrument (EPZ303-5) by Comparison Method
	Single Phase Active	5mA (CosØ=1.0) > 5 mA - 10mA (CosØ= ± 0.5 to 1)	0.09%	
		11mA - 120A CosØ= ± 0.5 to 1	0.07%	
	Three Phase Active	5mA (CosØ=1.0) > 5 mA - 10mA CosØ= ± 0.5 to 1	0.09%	
		11mA - 120A CosØ = ± 0.5 to 1	0.07%	

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory Testing & Calibration Laboratory, Secure Meters Limited, RIICO
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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
	Single Phase Reactive	5mA (Sin ϕ =1.0) > 5 mA to 10mA (Sin ϕ = \pm 0.5 to 1)	0.14%	
		11mA to 120A (Sin ϕ = \pm 0.5 to 1)	0.07%	
	Three Phase Reactive	5mA (Sin ϕ =1.0) > 5 mA to 10mA Sin ϕ = \pm 0.5 to 1	0.14%	
		11mA to 120A Sin ϕ = \pm 0.5 to 1	0.07%	

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

\$ Only in Permanent Laboratory

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