

Laboratory **Meter Testing Laboratory, TMR Division, Kerala State Electricity Board Limited, Angamaly South P.O., Ernakulam Dist., Kerala**

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

Certificate Number **TC-7694 (in lieu of T-3063)**

Page 1 of 1

Validity **05.08.2018 to 04.08.2020**

Last Amended on **06.08.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRICAL TESTING

I. ELECTICAL INDICATING & RECORDING INSTRUMENTS				
1.	AC static watthour class 1 & class 2	No load test	12.13 of IS 13779:1999, (RA 2009), (upto AMD 5:2015)	10V to 300V ac
		Starting current	12.14 of IS 13779:1999, (RA 2009), (upto AMD 5:2015)	10 V to 300 V 1mA to 50mA
		Limits of error	11.11 of IS 13779-1999, (RA 2009), (upto AMD 5:2015)	0.18kWh to 50kWh 10V to 300Vac, 500mA to 65A
		Repeatability of Error	Cl.12.17 of IS 13779:1999 (RA 2009), (upto AMD 5:2015)	0.18kWh to 50kWh 10V to 300Vac, 500mA to 65A
		Meter Constant	Cl.12.15 of IS 13779-1999 (RA 2009), (upto AMD 5 :2015)	0.18 kWh to 50 kWh 10V to 300Vac, 500mA to 65A
2.	AC static transformer operated watthour and VAR-hour meters, class 0.2s and 0.5s	No load test	Cl.12.12 of IS 14697:1999, (RA 2009), (upto AMD 4:2014)	10V to 300V ac
		Starting current	Cl.12.13 of IS 14697-1999, (RA 2009), (upto AMD 4:2014)	10 to 300 V 1mA to 50mA
		Limits of error for active and reactive.	Cl.11.1 of IS 14697 -1999, (RA 2009), (upto AMD 4:2014)	0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A
		Repeatability of Error	Cl.12.16 of IS 14697-1999, (RA 2009), (upto AMD 4:2014)	0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A
		Meter Constant for active & reactive energy	Cl.12.14 of IS 14697:1999, (RA 2009), (upto AMD 4:2014)	0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A