



**Laboratory** Hi-Tech Meter Laboratory, UGVCL, Sabarmati, Ahmedabad, Gujarat

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

**Discipline** Electrical Testing **Issue Date** 02.07.2015

**Certificate Number** T-1261 **Valid Until** 01.07.2017

**last Amended on** - **Page** 2 of 4

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / limits of Detection
	Electrical and Electronic (Static) Energy Meters and Electromechanical Meters	Meter Constant	CBIP-304: July 2008 IS 13779: 1999 with Amd. 1, 2, 3 & 4 IS 14697: 1999 with Amd. 1, 2 & 3 IS 13010: 2002 with Amd. 1 & 2	40 V to 300V 10 mA to 120 A 45Hz to 65Hz
		Test of Power Consumption / Power Loss Test	CBIP-304: July 2008 IS 13779: 1999 with Amd. 1, 2, 3 & 4 IS 14697: 1999 with Amd. 1, 2 & 3 IS 13010: 2002 with Amd. 1 & 2	Single Phase: (0.002 W to 38.4 kW, 0.002 VA to 38.4 kVA) Three Phase: 0.006 W to 115.2 kW, 0.006 VA to 15.2 kVA 0.002 V to 300 V, 0.01 A to 120 A 45 Hz to 65 Hz
		Test of Influence Quantities	CBIP-304: July 2008 IS 13779: 1999 with Amd. 1, 2, 3 & 4 IS 14697: 1999 with Amd. 1, 2 & 3	40 V to 300 V 10 mA to 120 A, 45 Hz to 65 Hz
		Voltage Variation		
		Frequency Variation		
		Reverse Phase Sequence		
		Voltage Unbalance		
		Influence of Harmonics in		
		Voltage and Current Circuit		



