

(PREVIEW)

*Indian Standard***VOLT-AMPERE HOUR METERS
FOR RESTRICTED POWER FACTOR
RANGE — SPECIFICATION****1 SCOPE**

1.1 This standard specifies the requirements and tests for 3 phase whole current and transformer operated volt-ampere hour meters for restricted power factor range with maximum demand indicator and other tariff devices or accessories for unbalanced load for use in 3-phase 3-wire and 3-phase 4-wire~supplies.

1.1.1 For maximum demand indicators, the requirements covered in IS 8530 : 1977 shall apply.

1.2 It does not apply to:

- a) Volt-ampere hour meters for unrestricted full power factor range, and
- b) volt-ampere hour meters in which the principle of measurement requires balanced conditions of load only.

NOTE — The application and operation of volt-ampere- hour meters are given in Annex A.

2 REFERENCE

2.1 The standards given in Annex B are necessary adjuncts to this standard.

ANNEX B*(Clause 2.1)***LIST OF REFERRED INDIAN STANDARDS**

<i>IS No.</i>	<i>Title</i>
722 (Part 1) : 1986	Ac electricity meters: Part 1 General requirements and tests (<i>third revision</i>)
1271 : 1985	Thermal evaluation and classification of electrical insulation (<i>first revision</i>)
1401 : 1970	Accessibility test probes (<i>first revision</i>)
3156 (Part 1) : 1992	Voltage transformers : Part 1 General requirements (<i>second revision</i>)
4905 : 1968	Methods for random sampling
6842 : 1977	Limits for electromagnetic interference
4029 : 1967	Guide for testing three phase induction motors
8530 : 1977	Maximum demand indicators (Class 1)
11731 (Part 1) : 1986	Methods of test for determination of flammability of solid electrical insulating materials when exposed to an igniting source: Part 1 Horizontal specimen method
12032 (Part 6) : 1987	Graphical symbols for diagrams in the field of electrotechnology: Part 6 Production and conversion of electrical energy
12360 : 1988	Voltage bands for electrical installations including preferred voltages and frequency