

Anti Tamper Static Energy Meters

ESMG-1

Provides sustained accuracy in more than 20 meter tampering conditions

The ESGM-1 is a single phase static kilowatt Hour meter incorporating the latest anti tamper technologies. The meter complies with IEC - 62053-21, IS - 13779-1999 and other relevant national and international standards on metering.



KEY FEATURES

- ~ Class 1 accuracy
- ~ Conforms to IEC - 62053-21, IS: 13779, CBIP Tech. Report no. 88 (latest amendment)
- ~ Designed and manufactured in a state of the art ISO 9001 : 2000 & ISO 140001 certified facility.
- ~ Robustly designed with quality components to provide accurate data over the years.
- ~ Highly stable. Almost no drift over time.
- ~ Rapid line voltage or load fluctuations do not affect accuracy
- ~ Built in protection against accidental appearance of 440V AC in the supply line.
- ~ Energy registration error less than 1% over a wide Input voltage range of 100V to 290 V
- ~ Advanced Anti Tamper capabilities
- ~ Neutral missing design
- ~ Multiple Ratings available
- ~ SMPS Power Supply
- ~ Variety of downloading options available like - Optical, IRDA, Hardwired RS - 232
- ~ Available with 6 digit LCD Display with optional backlight

IS : 13779



CM / L : 8573693

ESMG-1

Specifications

Standards

Conforms to IEC 62053-21, IS : 13779 and CBIP Tech Report No. 88 9 (latest amendment)

Accuracy

Class 1

Meter Type

1 Phase , 2 Wire

Nominal Voltage (Vref)	Basic Current (Ib)	Maximum Current (I max)	Starting Current
240 V	5.0A, 10.0A	400% of Ib	0.4% of Ib or 0.2% of Ib

Nominal Frequency

50 Hz

Power Consumption

Less than 1W & 2 VA

Operating Range

Voltage	Frequency	Temperature	Humidity (RH)
+20% to - 50% of Nominal Value	50 Hz \pm 5%	-10° C to 55° C	95% of non condensing

Energy Registers

6 digit LCD display with 10 mm height
Backlight optional

Indicators

LEDs for Calibration/ Accuracy Check, Power, Earth Leakage & Reverse connection

Meter Casing

Flame Retardant, High Impact Strength Polycarbonate

Terminal Hole Size

8.5 mm

Sealing

2 seals for Meter Cover, 1 seal for Terminal Cover