Three Phase LT - CT
TRIVECTOR METER

Ratings Available
-/5A* CT Operated

* Direct Reading Meters available on request

Salient Features

- Accuracy Class 0.5 as per IS 14697 : 99.
- Suitable for DT Metering.
- Optical communication port.
- Logging and display of tamper data.
- TOD, Load survey, tamper information downloadable to CMRI through optical port.
- Display in absence of power supply.
- Suitable for AMR.

Other Features

- Power ON / OFF events
- Programmable TOD time zones
- Data downloading through optical port / hard wired RS232 port
- 60 Days load survey with 30 minutes integration period for the following parameters :
  a. Active Energy (kWh)
  b. Apparent Energy (kVAh)
  c. Reactive Energy lag (kVArh)
  d. Average Voltage Per Phase
  e. Average Current Per Phase

Energy Register

- Active / Apparent Energy
- Reactive Energy (Lag kVArh)
- Reactive Energy (Lead kVArh)

Display Parameters

Measures & Displays the following parameters :

- Cumulative Energy kWh
- TOD zone wise Cumulative kWh
- Current month kVA MD
- TOD zone wise previous month billing kVA MD
- Cumulative kVAh Reading
- Average Power Factor
- Total Number of Tamper Counts
- Phase wise instantaneous Phase to Neutral Voltage
- Instantaneous Line Current
- Total Instantaneous Power (kW / kVAr / kVA)
- Instantaneous Power Factor
- TOD Zone wise Cumulative kVAh Reading
- Cumulative R kVAh Lag
- Cumulative R kVAh Lead
- High resolution kWh
- Numbers of MD Reset
- Cumulative Export Active Energy kWh

Anti-Tamper Features

Meter is capable of detecting & recording the following tamper events. Tamper event shall be recorded with following snapshots of occurrence & restoration, tamper type, date, time, Instantaneous voltage, current, PF, cumulative kWh & kVAh. Meter records 280 tamper events on FIFO basis for following tampers available with communication.

A. Missing potential
B. Current reversal
C. Current circuit short
D. CT Bypass
E. Magnetic Tamper
F. Potential imbalance
G. Current Unbalance

Communication Parameters

Following parameters can be obtained through optical port / RS 232 port

A. Load Survey for last 60 days.
B. Last 6 months billing data.
C. Instantaneous parameters at the time of meter reading.
D. TOD / Tamper Data

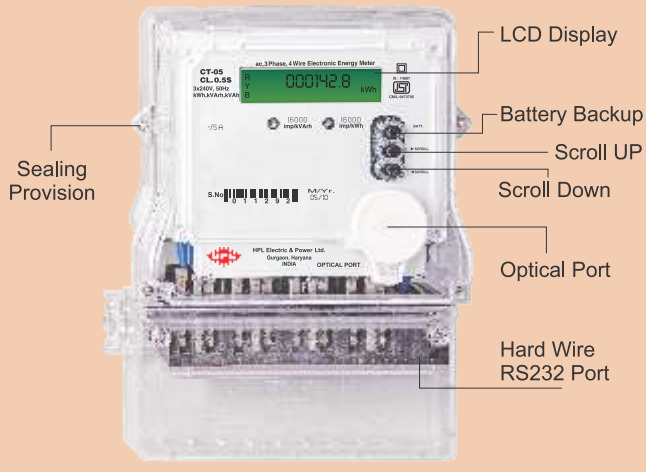
Maximum Demand and MD Integration period

The demand is monitored during each demand interval set with 30mins integration and the maximum of these demand is stored as maximum demand along with date and time.

Technical Specifications

Type	ac, 3 Phase 4 Wire
Reference Voltage	3 x 240 V
Current Rating	-/5A CT Operated
Reference Frequency	50 Hz, ±5%
Starting Current	0.1% of basic current
Display	Backlit LCD display Large digit size 10mm x 5 mm
Enclosure	Engineering plastic
Class	CL 0.5
Application Standard	IS 14697 : 99
Dimensions	247mm x 187mm x 98mm

Meter Details



Maximum Demand Reset

Maximum demand shall reset automatically at the last day of the month at 24:00hrs. whenever MD is reset, MD reset count is increased.