



ETI Power

TOD Meter
Multifunction Meter
Power & Energy Meter

Digital Panel Meter

1 / 3 Phase Ammeter

1.0 Class Accuracy



Description

- The Basic Series Meters are low cost micro-processor based metering instruments with 24 Bit ADC and SMPS / Capacitor based power supply unit

Key Features

- The meters have been designed to meet the harsh conditions of Indian Utilities and have following special features :
 - Robust Design
 - 4 Digit Red Bright FND Display
 - Programmable on site CT ratio
 - Programmable on site PT ratio
 - Password Protection
 - LED Indication for Healthy Phase
 - Electrical Control Panels
 - Motor Control Panels
 - DC Drive Control Panels
 - Battery Chargers
 - HT / LT Panels



INTERNATIONALLY
RECOGNIZED
ISO 9001, ISO 14001 CERTIFIED COMPANY

Technical Specification

ELECTRICAL CHARACTERISTICS

- Type of measurement : True RMS at 50 Hz
- Current and voltage : Class - 1.0
- Active Power : Class - 1.0 / Class - 0.5 accuracy
- Reactive Power : Class - 2.0 / Class - 1.0 accuracy
- Apparent Power : Class - 1.0 / Class - 0.5 accuracy
- Frequency : Class - 0.2 / Class - 0.1 accuracy
- Power factor : Class - 1.0
- Active Energy : Class - 1.0 / Class - 0.5 accuracy
- Reactive Energy : Class - 2.0 / Class - 1.0 accuracy
- Apparent Energy : Class - 1.0 / Class - 0.5 accuracy
- Demand Energy : 30 Min. Integration period

* Additional error for meter input current below 100 mA

- Data update rate : 1 sec
- Input Voltage : V1, V2, V3, Vn
- Measured voltage : 80 - 480 V AC L-L without Pts
Up to 999 kV with external Pts
- Permissible overload : 1.10 Un (480 V L-L)
- Burden : As per IS
- Impedance : As per IS
- Frequency range : 50Hz \pm 5%
- Primary CT : 1 A - 99.0 kA
- Secondary CT : 1 A - 5 A
- Measurement range: 40 mA - 6 A
- Permissible overload: 6 A continuous
- Burden : As per IS
- Impedance : As per IS
- AC Power Supply : 100 - 277 V AC at 50 Hz
- DC Power Supply : 100 - 277 V DC

MECHANICAL CHARACTERISTICS

- Weight : 0.500kg to 0.250kg (Shipping)
- IP degree of protection : Front: IP 51; Back: IP 40
- Dimensions : Bezel: 96 x 96 mm
Depth: 65 mm behind bezel
Panel cutout: 92 x 92 mm

ENVIRONMENTAL CONDITIONS

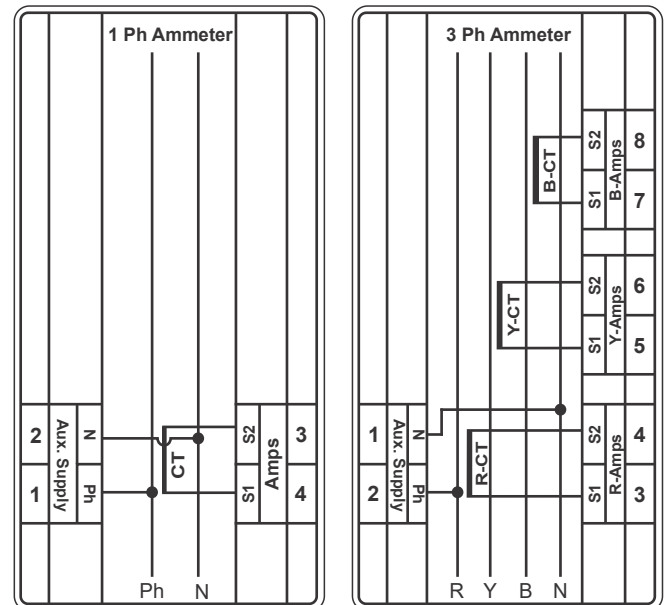
- Operating temperature : 4°C to 60°C
- Storage temperature : 4°C to 70°C
- Humidity rating : 5 to 60 % RH non-condensing

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Communications (Optional)

- RS-485 port : 2 terminals only
- Baud rate : 9600bps
- Protocols : Modbus

Connections



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Registered In India with GST No. 08AACCE6423G1ZT