



ETI Smart

Demand Controller
Solar Pump Controller
Prepayment Controller

Smart triple Source Pre Payment Meter

EURO-1/EURO-3

1.0 Class Accuracy



Description

Euro 1P & Euro 3P are advanced Energy Management and Tracking Systems designed specifically for the Building Management Systems. The instruments are based on 100 pin Micro-controller devices with 24 Bit Sigma Delta front end, ensuring a high degree of precision in energy management.

The dual source function ensures that meter records the energy for both Electricity Boards as the Diesel Generator Power Backup Systems.

The Euro series of meters eliminate the disadvantage of cumbersome loading of 20 digit token in to the meter and eliminates the requirement of changing tariff by going near to the meter.

Monthly bill is generated by the software "Tarang" at the end of every month (Billing Cycle) and the same is forwarded to the customers in shape of a printed bill/electronic bill via e-mail.

Euro Series of meter ensures load monitoring, load management and load limiting through advanced embedded & high level.

Key Features

- 32 Bit Micro controller
- Inbuilt Latching Relay with German Technology
- Online Data Monitoring through RS 485 link
- Deduction of Daily Utility Charges
- No additional cost of Token Generation
- Direct entry of credit in Rupees to meter without cumbersome keypad entries.
- No Unwanted Trip offs during working days.
- Double password protected online tariff management systems ensuring no additional cost.
- Billing History
- Point of sales (PoS) history
- Customer behavior pattern
- On site programmable over load setting of DG back up
- Anti tamper feature of current.



ISO 9001, ISO 14001 CERTIFIED COMPANY

Technical Specification

VOLTAGE : 240v (Ph-N)

CURRENT

- I Basic : 10A
- I Max : 60A
- Frequency : 50 Hz ±5%

BURDEN

- Current Circuit : < 2.0 VA per phase
- Voltage Circuit : < 1.5W/8VA per phase
- Metrology : As per IS
- Class : 1.0
- Normal Power Source: Mains supply
- RTC Backup Source : Lithium Ion Battery

DATA RETENTION

- Unpowered : 10 years

DISPLAY

- Format : Customized LCD

ACTIVITY INDICATOR

- Format : Red LED

ENVIRONMENTAL

- Operating Temp. : -10°C to +50°C
- Storage Temp. : -25°C to +70°C

MECHANICAL

- DIMENSIONS : 175×76×225mm (Approx)
(W×H×D)

- Load Contractor : minimum of 10000 operations at rated current for resistive loads.

- DISCONNECTION : Latching Relay of suitable current rating 20ms Pulse Operated no additional Power Consumption

FACILITIES

FUNCTIONAL

MEASUREMENT

- Active kWh

ADDITIONAL PARAMETERS

- Voltage
- Current
- Power Factor
- Apparent Power
- Frequency

DISPLAY FEATURES

- Credit remaining
- Current Month kWh
- Total Money Vended
- Separate Vended money
- kWh & Utility charges
- Previous Month's Cost & kWh
- Relay Cutoff at overload
- Number of attempts at overload
- Over load setting in kVA

Enertrak maintains a policy of continuous development & reserve the rights to change the details shown on this data sheet without any prior notice. The contents are intended for guidance only.

FACILITIES

Meter supports the following:-

- Unit cost change
- Tariff change
- Max. kVA load limit change
- RS485 link

SOFTWARE

- Setting of meter ID
- Setting of tariff for Eb & DG
- Setting of Relay Trip Points
- Charging & Disconnect

Communications

- RS-485 port communicates as per MODBUS Protocol & can be easily configured to an Enertrak GSM/GPRS modem for seamless & live data transmission to a host website application.
- The live data can be seen at our website www.meterdekho.com with User ID & Password details.

Connections

RJ-11 (Server)		RJ-11 (HMI)		2 Pin (GD)		2 Pin (Server)			
DATA		DATA	Supply	DG		Solar			
+	-	-	+	5V	GND	Ph	N	Ph	N

R		Y		B		N	
S1	L1	S2	L2	S3	L3	NS	NL



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