Features:

- 3Ø True RMS (Voltage, Current)
- Plug-n-Wire, RJ45 Connector Current Input
- Energy (Active, Reactive)
- 3Ø Power (Active, Reactive, Apparent)
- Programmable CT Primary, PT Primary / Secondary
- Modbus RTU Communication (RS485)
- Single Pulse Output
- Max Demand power
- Self Powered

DIN 70mm

Certification : $\zeta \in$

Display Specifications

| Display | 3 rows, LCD with Backlight |
|-----------------|---------------------------------------|
| Digits | 2 rows of 4 Digits, 1 row of 7 Digits |
| LED Indications | Integration of Energy |

Input Specifications

| _ | • | |
|---|-----------------------|---|
| | Electrical Connection | 3Ø - 4 wire, 1Ø - 2 wire |
| | Input Voltage Range | 60 to 300V AC (L - N) 104 to 520V AC (L - L) |
| | Frequency | 45 to 65Hz |
| | Display Scrolling | Automatic / Manual |
| | Power Consumption | 8VA max |
| | Display Reset | Programmable (For energy) |
| | Resolution | For energy: 0.01k, 0.1k, 1k, 0.01M, 0.1M (depending upon CT ratio x PT ratio) For Power, Voltage, Current: Auto Resolution For Power Factor: 0.01 |
| | Accuracy | Voltage (L - N / L - L) : ±0.5% of F.S. Current : ±0.5% of F.S. Power Factor : ±0.01 Frequency : ±0.1 For L - N Voltage >20V For L - L Voltage >35V Power (Active, Reactive, Apparent) : ±1 Energy (Active, Reactive) : ±1 |
| | Memory Retention | 10 years (For energy) |
| | Measuring Parameters | Voltage (L - L / L - N) (Individual / Average), Current (Individual / Average), Frequency, Power Factor (Individual / Average), Active, Reactive & Apparent power (Individual / Total), Active and Reactive Energy, Demand (Max Active Power, Max Apparent Power) |

Output Specifications

| Pulse Output | Voltage Range: 24V DC max Current Capacity: 100mA max Pulse Duration: Selectable between 0.1 to 2.0 sec. Pulse Weight: Selectable between 0.01 to 9.99 kWh |
|--------------------------------------|---|
| Communication Interface and Protocol | RS485 and MODBUS RTU |
| Communication Address | 1 to 255 |
| Transmission Mode | Half duplex |
| Transmission Distance | 500 meter maximum |
| Transmission Speed | 300, 600, 1200, 2400, 4800, 9600, 19200 (in bps) |
| Parity | None, Odd, Even |
| Stop Bits | 1 or 2 |
| Response Time | 100ms (max and independent of baud rate) |

Auxiliary Supply Specifications

| Supply Voltage | 60 to 300V AC, 50 / 60Hz (±5%), |
|----------------|---------------------------------|
| | Self Supplied (V1, N) |

Settable Parameters

| CT Primary | 5A to 10kA (Programmable for any value) |
|--------------|--|
| CT Secondary | 330mV |
| PT Primary | 100V to 10kV (Programmable for any value) |
| PT Secondary | 100V to 500V AC (L - L) (Programmable for any value) |

Environmental Specifications

| Temperature | Operating Temperature : -10° to 55°C Storage Temperature : -20° to 75°C |
|-----------------------------|--|
| Humidity (non - condensing) | Upto 85% RH |

Mechanical Specifications

| Mounting | Din Rail | |
|----------|----------|--|
| Weight | 191gms | |

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