



emfis Plus (Demand Controller)

Voltage • Current • Frequency • Power • Energy • THD

Salient Features

- Last 6 Months history Parameters for kWh, kVAh, kVArh (lag, lead) & MD through Communication
- Provision for Special Pre-defined pages for display parameters
- Scroll Lock Facility provided to monitor the desired Parameters
- Maximum Demand with Date and Time
- Measures Total Harmonic Distortion
- Relay Output for V, I, Total kW, Total kVA, F, kW MD, kVA MD
- Last 30 days load Survey through Communication
- Last 10 occurrence/restoration event for each Relay 1 & Relay 2 through Communication

Technical Details of emfis Plus

ENCLOSURE

Dimensions	96mm x 96mm x 86mm
Weight	< 400 gms

INPUT CURRENT

Via Current Transformer	From 5A to 6000A in Multiples of 5 for -/5A & From 1A to 1200A in Multiples of 1 for -/1A
Insulated Sec.	5A / 1A (Selectable)
Current Circuit Burden	<0.25 VA
Starting Current	5mA (Secondary)
Overload without CT	7A
Overload with CT	6500A

FRONT PANEL

Display	Three Line Backlit LCD Display
Digit Height	8mm x 5mm
Protection Index	IP 54

INPUT VOLTAGE

Measurement Range	120V AC to 300V AC P - N
Voltage Circuit Burden	≤2VA

AUXILIARY SUPPLY

Supply Value	230V AC, ±30%, 50Hz
Burden	≤2.5 VA

ACCURACY

Class	1.0
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Pulse Output

Duration	100ms
Width	1 Pulse = 1 kWh

Wiring Diagram of emfis Plus Meter

