... simplicity is blue

Energy Meter

MEM34
Electronic Energy Meter (kWh)
MEM - Counter type

Electrical characteristics
- System: Suitable for 3P4W (MEM34) / 3P3W (MEM33) / 1P2W (MEM11)
- Voltage input: AC 415V (L-L) ± 10% (other voltage upon request)
- Current input: 5A or 1A AC
- Auxiliary supply: Self powered
- Starting current: 0.2% of rated current
- Operating frequency: 45 – 65Hz
- Operating power factor: 0.5 lag – Unity – 0.8 lead
- Burden: 0.2 VA per phase
- Type of measurement: True RMS

Mechanical characteristics
- Weight: 400g (approx.)
- IP degree of protection: Front: IP 51; Back: IP 40
- Dimensions: Front: 96 x 96 mm (bezel size); Depth: 80mm; Panel cut-out: 92 x 92 mm

Environment conditions
- Operating temperature: 0 to 55°C
- Storage temperature: -10°C to 70°C
- Humidity: Up to 95% RH

Features
- Class 1 accuracy as per IEC 61036 (0.5 optional)
- Self-powered auxiliary supply
- CT ratio programmable via DIP switch (5A – 5000A)
- 6-digits impulse counter display type
- Individual phase reversal & phase indication
- Optically isolated open collector pulse output available for PLC, SCADA, DCS

Connection diagram

Authorized Dealer:

Product specifications and features are subject to change without prior notice.
MH blue

... ... simplicity is blue

Energy Meter
MEM34L
Electronic Energy Meter (kWh)
MEM34L Series

Electrical characteristics
Operating characteristics
System: Suitable for 3P4W (MEM34L) / 3P3W (MEM33L) / 1P2W (MEM11L)
Voltage input: AC 415V (L-L) ± 10% (other voltage upon request)
Current input: 5A or 1A AC
Auxiliary supply: Self powered
Starting current: 0.2% of rated current
Operating frequency: 45 – 65Hz
Operating power factor: 0.5 lag – Unity – 0.8 lead
Burden: 0.2 VA per phase
Type of measurement: True RMS

Mechanical characteristics
Weight: 400g (approx.)
IP degree of protection: Front: IP 51; Back: IP 40
Dimensions: Front: 96 x 96 mm (bezel size); Depth: 46mm
Panel cut-out: 92 x 92 mm

Environment conditions
Operating temperature: 0 to 55°C
Storage temperature: -10°C to 70°C
Humidity: Up to 95% RH

Features
Class 1 accuracy as per IEC 61036 (0.5 optional)
Self-powered auxiliary supply
CT ratio programmable (5A – 5000A)
6-digits impulse counter display type
Individual phase reversal & phase indication
Optically isolated open collector pulse output available for PLC, SCADA, DCS

Connection diagram

Authorized Dealer:

Product specifications and features are subject to change without prior notice.
Energy Meter
MEM34LS
Electronic Energy Meter (kWh)
MEM34LS Series

Electrical characteristics
Operating characteristics
System
Suitable for 3P4W (MEM34LS) / 3P3W (MEM33LS) / 1P2W (MEM11LS)
Voltage input
80 - 500V AC (L-L)
Current input
5A or 1A AC
Auxiliary supply
AC 230V ±10% (other voltage upon request)
Starting current
0.2% of rated current
Operating frequency
45 – 65Hz
Operating power factor
0.5 lag – Unity – 0.8 lead
Burden
0.2 VA per phase

Type of measurement
True RMS

Mechanical characteristics
Weight
400g (approx.)
IP degree of protection
Front: IP 51; Back: IP 40
Dimensions
Front: 96 x 96 mm (bezel size); Depth: 46mm
Panel cut-out: 92 x 92 mm

Environment conditions
Operating temperature
0 to 55°C
Storage temperature
- 10°C to 70°C
Humidity
Up to 95% RH

Features
Class 1 accuracy as per IEC 61036 (0.5 optional)
Password protection
Indication of individual phase & reversal
Integrated with RS485 interface (Modbus RTU)
CT ratio programmable (5 - 5000A)
Optical isolated open collector pulse output

Connection diagram

Authorized Dealer:

Product specifications and features are subject to change without prior notice.
Dual Source Electronic Energy Meter (kWh)  
MEM DS Series

Electrical characteristics
System Suitable for 3P4W (MEM34DS) / 3P3W (MEM33DS) / 1P2W (MEM11DS)
Voltage input 80 – 500V AC (L-L)
Current input 5A or 1A AC
Auxiliary supply AC230V ±10% (other voltage upon request)
Starting current 0.2% of rated current
Operating frequency 45 – 65Hz
Operating power factor 0.5 lag – Unity – 0.8 lead
Burden < 8VA

Type of measurement
True RMS

Mechanical characteristics
Weight 400g (approx.)
IP degree of protection Front: IP 51; Back: IP 40
Dimensions Front: 96 x 96 mm (bezel size); Depth: 46mm
Panel cut-out: 92 x 92 mm

Environment conditions
Operating temperature - 10°C to 55°C
Storage temperature - 10°C to 70°C
Humidity Up to 95% RH

Features
- Class 1 accuracy as per IEC 61036 (Class 0.5 optional)
- Dual Energy reading (Individual & Total)
- Self-powered auxiliary supply
- CT ratio programmable (5A – 5000A)
- DG Source Sensing input (230VAC)
- 8-digits LED Backlit Display
- RS-485 Modbus RTU protocol interface
- Individual phase reversal & phase indication
- Optically isolated open collector pulse output
- Password protection

Connection diagrams

Authorized Dealer:

Product specifications and features are subject to change without prior notice.