



96 x 96mm

Features :

- 3Ø True RMS (Voltage, Current)
- 3Ø Power (Active, Reactive, Apparent)
- Energy (Active, Reactive, Apparent)
- Programmable CT / PT Primary / Secondary
- Single Pulse Output
- Phase Angle Detection
- Max / Min Demand Power
- Run Hour
- Auxiliary Interrupts

Display Specifications

Display	3 rows, 7 segments LED Display
Digits	4

Input Specifications

Electrical Connection	3Ø - 3 wire, 3Ø - 4 wire, 2Ø - 3 wire, 1Ø - 2 wire
Input Voltage Range	11 to 300V AC (L - N) 19 to 519V AC (L - L)
Input Current Range	Nominal 5A AC (Min - 14mA, Max - 6A)
Frequency	45 to 65Hz
Display Scrolling	Automatic / Manual / Default
Power Consumption	8VA max
Display Reset	Programmable (For energy, Auxiliary interrupt, Run hour)
Resolution	For energy : 0.01k, 0.1k, 1k, 0.01M, 0.1M, 1M (depending upon CT ratio x PT ratio) For Power, Voltage, Current : Auto Resolution For Power Factor : 0.001
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, Apparent) : Class 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, Reactive & Apparent Energy (Total), Phase Angle, CT Polarity Error, Run Hour, Auxiliary Interrupt, Max Power Demand (Active, Reactive & Apparent), Min Power Demand (Active & Reactive)

Output Specifications

Pulse Output	Voltage Range : External 6V DC max Current Capacity : 100mA max Pulse Width : 100ms ±5ms
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Auxiliary Supply Specifications

Supply Voltage	240V AC (±20%), 50 / 60Hz
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Settable Parameters

CT Primary	1 / 5A to 10kA (Programmable for any value)
CT Secondary	1 / 5A (Programmable)
PT Primary	100V to 500kV (Programmable for any value)
PT Secondary	100V to 500V (Programmable for any value)

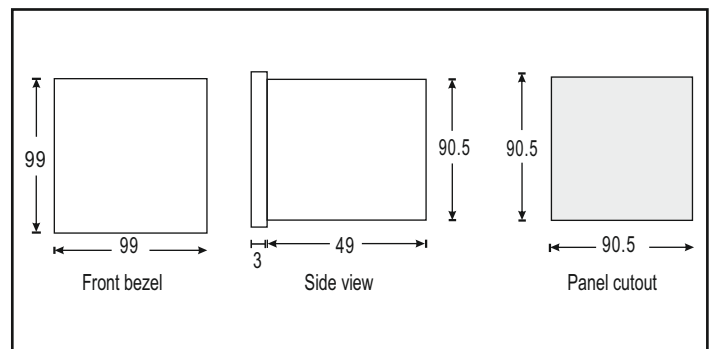
Environmental Specifications

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

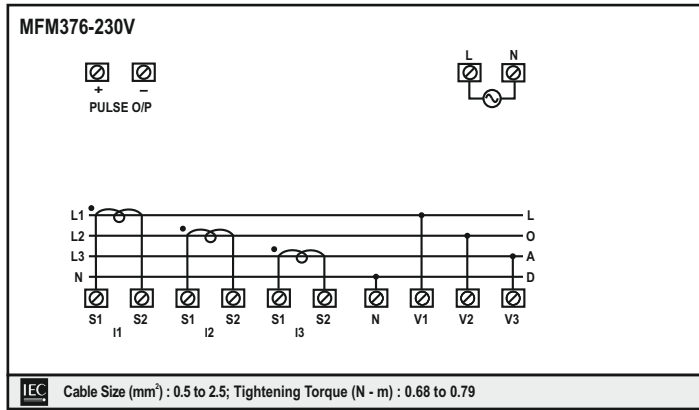
Mechanical Specifications

Mounting	Panel
Weight	260gms

Dimensions



Terminal Connection



Ordering Information

Product code	Supply Voltage	Output	Certification
MFM376-230V	240V AC ±20V	Pulse Output	---