

Features:

- 3 Ø (True rms) Voltage
- 3 Ø (True rms) Current
- 3 Ø Power Factor
- 3 Ø Power (Active, Reactive, Apparent)
- Energy (Active, Reactive, Apparent)
- Frequency
- Programmable CT/PT Primary/Secondary
- Modbus RTU Communication (RS485) (Optional)
- Single Pulse Output

Size: 96mm x 96mm (1/4 DIN)

Certifications: CE c UL us LISTED

Technical Specifications

Display

Display	3 row, LED
Digit	4
Digit Height	0.56" (14.2mm)

Input Specifications

Electrical Connection	3Ø-3/4 wire, 2Ø-3 wire, 1Ø-2 wire
Input Voltage Range	19 to 519V AC, (Phase to Phase) 11 to 300V AC, (Phase to Neutral)
Input Current Range	10mA - 5A (6A Max)
Frequency	45Hz - 65Hz
Display Scrolling	Automatic / manual
Display Reset	Programmable (for energy)
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), Current: ±0.5% of F.S Power factor: ±1% Frequency: ±0.1% (For V>20V L-N, V>35V L-L) Power (kW, kVA, kVAr): 1% Energy (Active , Reactive, Apparent): Class 1
Memory Retention	10 years (for energy)
Measuring Parameters	Voltage (L-L / L-N) (Individual / Average) Current (I1, I2, I3) (Individual / Average) Frequency, Power Factor (Individual / Average) Active, Reactive & Apparent power (Individual / Total), Active, Reactive & Apparent Energy (Total)

Output Specifications

Pulse Output	Voltage Range: External 24V DC Current Capacity: 100mA max Pulse Width: 100 ms ±5 ms
Communication	RS485 MODBUS Communication

Supply Specifications

Auxiliary Supply	85 to 270V AC (50 / 60 Hz)

Resettable Parameters

C.T Primary	1A/5A to 10,000A (Programmable for any value)
C.T Secondary	1A/5A (External CT must be connected for current more than 5A)
P.T Primary	100V to 500kV (Programmable for any value)
P.T Secondary	100V to 500V (L-L) (Programmable for any value)

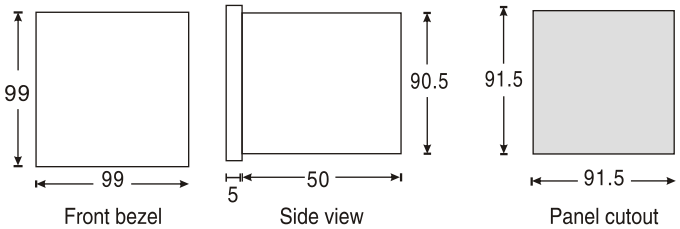
Environmental Specifications

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

Mechanical Specifications

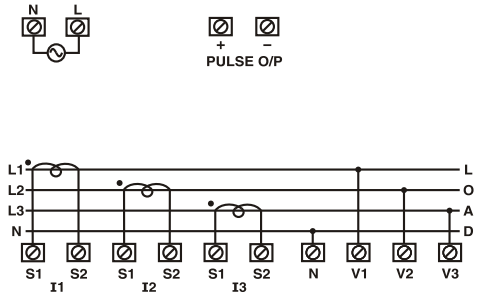
Mounting	Panel mount
Weight	320 gms
Protection Level	IP65 for faceplate

Dimensions

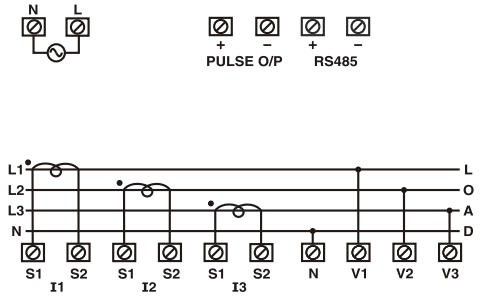


Terminal Connections

MFM374



MFM374-C



Cable Size (AWG): 20 to 14 ; **Tightening Torque (Lb-inch):** 6.018 to 6.992

Cable Size (mm²): 0.5 to 2.5 ; **Tightening Torque (N-m):** 0.68 to 0.79

Ordering Information

Part No.	Supply Voltage	Output		Certification	
	85-270V AC	Pulse Output	Commn (RS485)	CE	c UL us LISTED
MFM374	■	■			
MFM374-CU	■	■		■	■

Note : For MFM374-C(Communication version) / MFM374-C-CU please contact factory.

EN-VIEW: Windows based communication software available for data logging.