



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
- Max / Min Demand (Power)

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

Certifications: CE cULus LISTED

Technical Specifications

Display

Display	4 row, Liquid Crystal Display (1 row of 8 digits for energy display)
Digit	4
Digit Height	0.44" (11.2mm) 0.25" (6.35mm) (for Lowest 8 digits)
Display Range	99999999
Bargraph	Representation of current

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, kVA _r): 1% Energy (Active, Reactive, Apparent): Class 1
Memory Retention	10 years (for energy)
Measuring Parameters	Voltage (L-L / L-N) (Individual / Average) Current (I ₁ , I ₂ , I ₃) (Individual / Average) Frequency, Power Factor (Individual / Average) Active, Reactive & Apparent power (Individual / Total), Active, Reactive & Apparent Energy (Total), Demand (Min / Max Active Power, Min / Max Reactive Power, Max Apparent Power)

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)
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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)

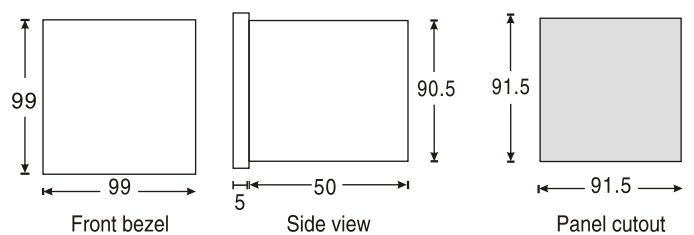
Environmental Specifications

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

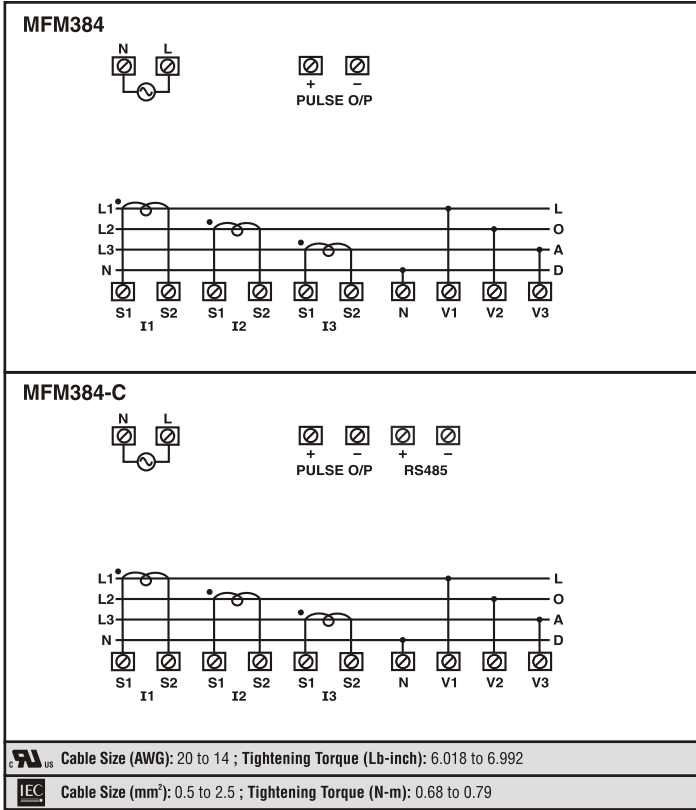
Mechanical Specifications

Mounting	Panel mount
Weight	320 gms
Protection Level	IP65 for faceplate

Dimensions



Terminal Connections



Ordering Information

Part No.	Supply Voltage	Output		Certification	
	85-270V AC	Pulse Output	Commn (RS485)	CE	UL ^{US} LISTED
MFM384	■	■			
MFM384-CU	■	■		■	■
MFM384-C	■	■	■		
MFM384-C-CU	■	■	■	■	■

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