



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: 1/4 DIN 96mm x 96mm

Certifications: CE  PENDING

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) 50/60Hz 11 to 300V AC, (Phase to Neutral) 50/60Hz
Input Current Range	10mA - 5A AC (6A max.)
Voltage Burden	0.2 VA max @ 300V (L-N)
Frequency	45 - 65 Hz
Resolution	Auto resolution
Parameter Indication	LED for all measured parameters
Display Scrolling	Automatic / manual

Output Specifications

Pulse Output	1 (Opto-isolated)
Pulse Voltage	24V DC (Max)
Pulse Current	100mA (Max)
Pulse Duration	100ms ± 50ms

Supply Specifications

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

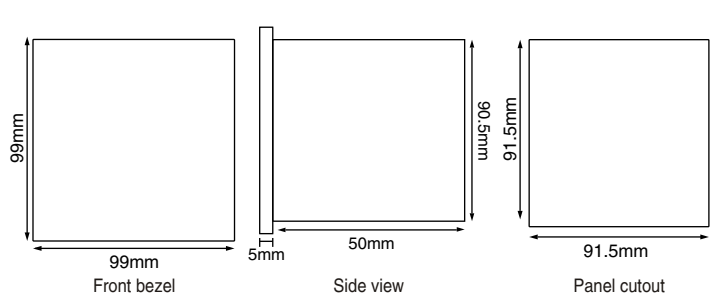
Environmental Specifications

Temperature	Operating Temperature: 0 to +50° C Storage Temperature : -20 to 75° C
Humidity (non-condensing)	upto 85% RH

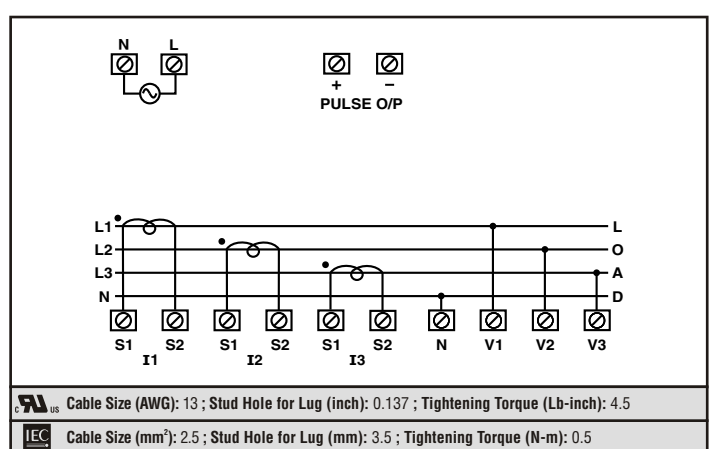
Mechanical Specifications


Mounting	Panel mout
Weight	300 gms (0.871lbs)
Protection Level	IP65 for faceplate

Dimensions



Terminal Connections



 Cable Size (AWG): 13 ; Stud Hole for Lug (inch): 0.137 ; Tightening Torque (Lb-inch): 4.5

 Cable Size (mm²): 2.5 ; Stud Hole for Lug (mm): 3.5 ; Tightening Torque (N-m): 0.5

ACCURACY TABLE

Measurement	Accuracy
Voltage V_{L-N}	$\pm 0.5\%$ of F.S.
Voltage V_{L-L}	$\pm 0.5\%$ of F.S.
Average Voltage V_{L-N}	$\pm 0.5\%$ of F.S.
Average Voltage V_{L-L}	$\pm 0.5\%$ of F.S.
Current	$\pm 0.5\%$ of F.S.
Average current	$\pm 0.5\%$ of F.S.
Frequency	0.1 Hz
Active Power	1%
Reactive Power	1%
Apparent Power	1%
Active Energy	Class 1
Reactive Energy	Class 1
Apparent Energy	Class 1
Power factor & Avg Pf	$\pm 1\%$

Ordering Information

Part No.	Supply Voltage	Output		Certification	
	85-270V AC	Pulse Output	Commn (RS485)	CE	cUL _{us}
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.