

MFM-5M

3Phase Energy
& Power Meter

Applications

- Electrical Control Panel
- Power Distribution
- Instrumentation Panel
- Transformer training
- Original Equipment Manufacturers (OEMs)
- Energy Management System
- DG Set Panels



Tech specs

Parameter	Specification
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Dimension (HxWxD) mm	90.5 x 88 x 62
Mounting Type	Dinrail Mount
Input System	3 Ø 4 Wire / 3 Ø 3 Wire/1 Ø 2 Wire
Input Voltage	30V To 300V AC (L-N) 50V To 520V AC (L-L)
Current	10mA TO 5A AC
PT Primary	100V To 520KV
PT Secondary	100V To 520V (L-L)
Primary CT	Up to 9999A
Secondary CT	By 5A/1A
Accuracy	Class 0.5
Power Supply	80 To 270V AC/DC, 50/60Hz

Technical Specifications

Category	Parameter	Specification
Meter Type	-	3Φ 4W, 3Φ 3W, 1Φ 2W
Input	Voltage	30 To 300V (L-N) 50 TO 520V (L-L)
	Current	-
	Secondary Current	10mA To 5A AC
Display & Keys	CT Primary	5 To 9999 Programmable
	Display	8 Digit/Line 7 seg 0.50" Red LED Display
	Key	PRG, VAF, P, E
		Voltage - External 24V DCCurrent Capacity - 25mA
Output	Pulse Output (Optional)	Pulse width - 50 to 500ms
Communication	Interface	RS-485
	Baud Rate	2400, 4800, 9600, 19200, 38400
	Parity	None, Odd, Even
	Protocol	Modbus - RTU
	Transmission Distance	500 Meter Maximum
	Communication address	1 to 128
Auxiliary Power Supply	Power Supply	80 To 270V AC / DC, 50/60Hz

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Physical	Mounting Type	Dinrail Mount
	Size (H x W x D) mm	90.5 X 88 X 62
	Depth Behind panel	62mm
Environmental	Material	ABS + PC
	Terminal & Cable Size	PCB TerminalCable Size (4 mm ²)
	Working Temperature	0 to 55° C
	Storage Temperature	0 to 55° C
	Relative Humidity	95% RH Non-condensing

Calculated Parameters	
V,A,F,PF (Phasewise&Avg.)	
KW (Phasewise&Total)	0.000To99999KW
Kva (Phasewise&Total)	0.000To99999Kva
Kvar (Phasewise&Total)	0.000To99999Kvar
Kwh	99999999Kwh
Kvah	99999999Kvah
Kvarh	99999999Kvarh

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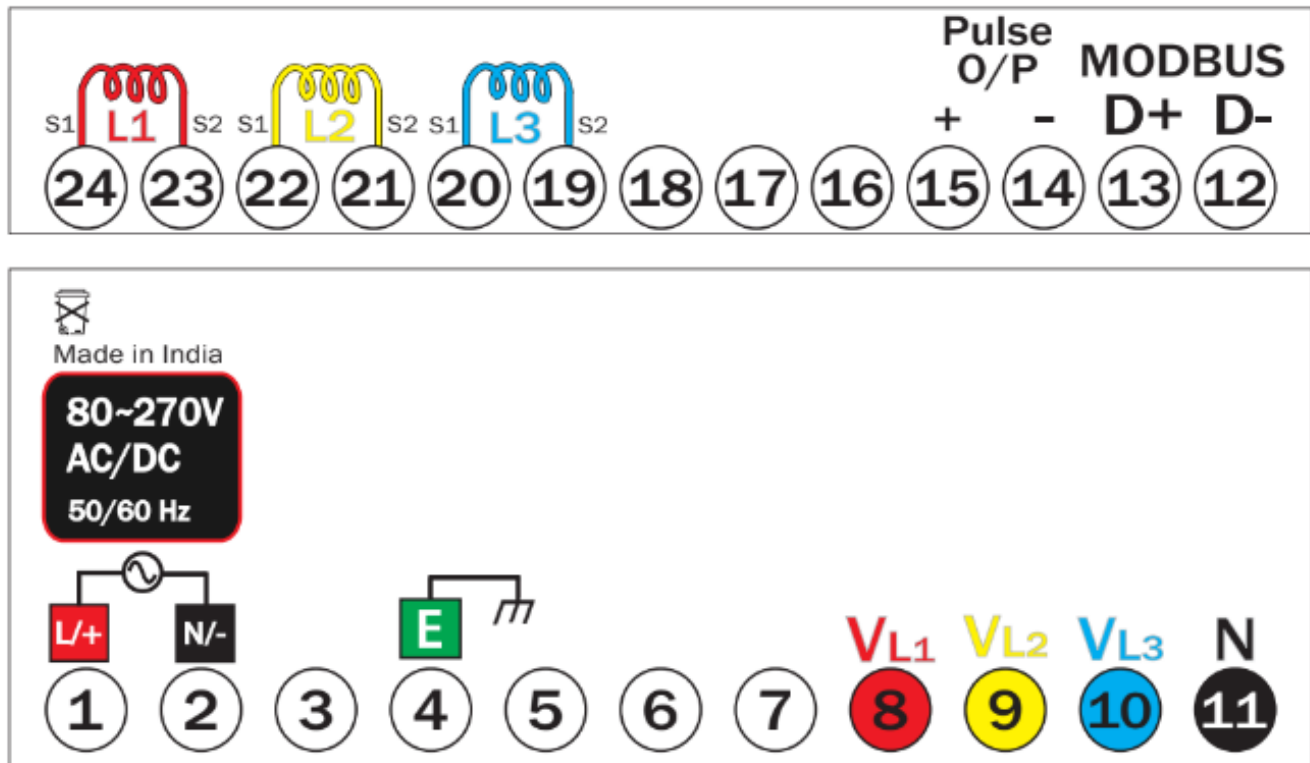


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Connection Diagram



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