

# MFM-5M

## 3 Phase Energy & Power Meter



## TECH SPECS

Dimension (HxWxD) mm	90.5 x 88 x 62
Mounting Type	Dinrail Mount
Input	System Voltage 3 Ø 4 Wire / 3 Ø 3 Wire/ 1 Ø 2 Wire 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

## APPLICATIONS

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

# Technical Specifications

## Meter type

3 $\Phi$  4W, 3 $\Phi$  3W, 1 $\Phi$  2W

## Input

**Voltage** 30 To 300V ( L-N )  
50 TO 520V ( L-L )

## Current

**Secondary Current** 10mA To 5A AC  
**CT Primary** 5 To 9999 Programmable

## Display & Keys

**Display** 8 Digit/Line 7 seg 0.50"  
Red LED Display

**Key** PRG, VAF, P, E

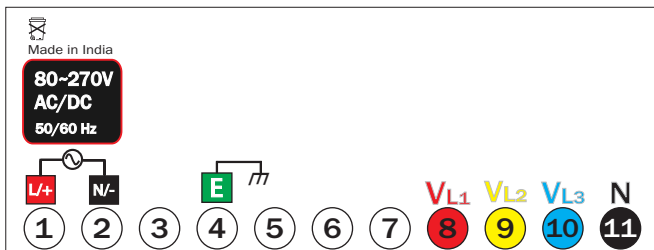
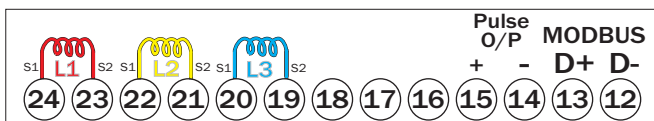
## Output

**Pulse Output ( Optional )** Voltage :- External 24V DC  
Current Capacity :- 25mA  
Pulse width - 50 to 500ms

## Communication Output RS-485 ( Optional )

**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

## Connection Diagram



## Auxiliary Power Supply

**Power Supply** 80 To 270V AC / DC, 50/60Hz

## Physical

**Mounting Type** Dinrail Mount  
**Size ( H x W x D )mm** 90.5 X 88 X 62  
**Depth Behind panel** 62mm  
**Material** ABS + PC  
**Terminal & Cable Size** PCB Terminal  
Cable Size ( 4 mm<sup>2</sup>)

## Environmental

**Working Temperature** 0 to 55° C  
**Storage Temperature** 0 to 55° C  
**Relative Humidity** 95% RH Non-condensing

## Accuracy

Class 0.5 ( Standard )

## Calculated Parameters

V,A,F,PF

( Phase wise & Avg. )

**KW** ( Phase wise & Total ) 0.000 To 9999 KW  
**Kva** ( Phase wise & Total ) 0.000 To 9999 Kva  
**Kvar** ( Phase wise & Total ) 0.000 To 9999 Kvar  
**Kwh** 99999999 Kwh  
**Kvah** 99999999 Kvah  
**Kvarh** 99999999 Kvarh

Multispan reserves the right to change specifications without prior notice. Printing and typographical errors reserved.  
Product improvement and upgrade is a constant procedure. So for more updated operating information & support contact us.

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