

# MFM-13

## MULTI FUNCTION METER



## TECH SPECS

Dimension (HxWxD) mm	96 x 96 x 54
Current	30mA To 5A AC
Voltage	(L-L) : 35-520V AC (L-N) : 20-300V AC
Primary PT	100V to 520KV
Secondary PT	100V to 520V
Primary CT	Up to 6000A
Secondary CT	By 5A/1A
System	1Ph-2W/3Ph-3W/3Ph-4W
Power Supply	100 to 270V AC,50/60Hz Approx 4VA
Certification	CE

## APPLICATIONS

Control & Relay Panel

Original Equipment  
Manufacturers ( OEMs )

Energy Management System

DG Set Panels

LT / HT Panel

Power Control Center Panels

Motor Control Center Panels

# Technical Specifications

## Meter type

1 $\Phi$ 2W / 3 $\Phi$  4W / 3 $\Phi$  3W ( Selectable )

## Input

### Voltage

**Direct Voltage** 20 To 300V ( L-N )  
35 TO 520V ( L-L )

### Current

**Secondary Current AC** 30mA to 5Amp  
**Primary PT** 100V to 520KV  
**Secondary PT** 100V to 520V  
**Primary CT** Up to 6000A  
**Secondary CT** By 5A/1A

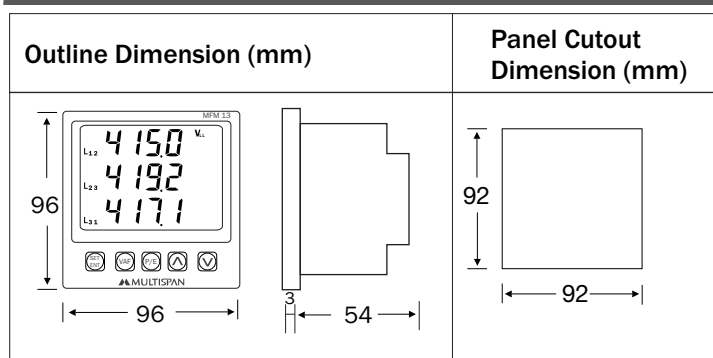
## Auxiliary Power Supply

**Power Supply** 100 to 270V AC,50/60Hz  
**Burden** 4VA

## Environmental

**Working Temperature** 0 to 55 °C  
**Storage Temperature** 0 to 55 °C  
**Relative Humidity** 95% RH Non-condensing  
**Warm up time** 5 minutes

## Mechanical Dimension



## Measurement Accuracy

<b>Voltage V<sub>L-N</sub></b>	±0.5%
<b>Voltage V<sub>L-L</sub></b>	±0.5%
<b>Current</b>	±0.5%
<b>Frequency</b>	±0.5%
<b>Power Factor</b>	< 0.5%
<b>Active Power</b>	< 0.5%
<b>Apparent Power</b>	< 0.5%
<b>Reactive Power</b>	< 0.5%
<b>Active Energy</b>	Class 0.5

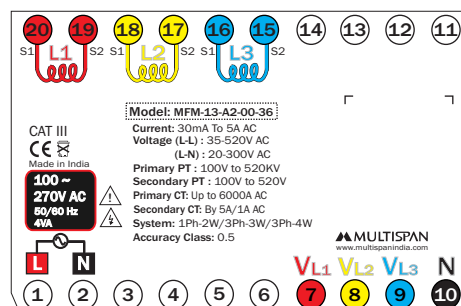
## Display, Keys & LED

<b>Display</b>	4 Digit 3Line 7 seg 0.57" Red LED Display
<b>Key</b>	SET/ENT, VAF, P/E, INC, & DEC

## Physical

<b>Mounting Type</b>	Panel Mount
<b>Size ( H x W x D )mm</b>	96 X 96 X 54
<b>Front Bezel ( H x W ) mm</b>	96 X 96
<b>Panel Cutout ( H x W ) mm</b>	92 X 92
<b>Depth Behind panel (mm)</b>	54
<b>Material</b>	ABS
<b>Accessory</b>	2 Panel Mounting Clamp
<b>Terminal &amp; Cable Size</b>	Barrier Type terminal Cable Size ( 2.5 mm <sup>2</sup> )

## Connection Diagram



We reserve 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.