

# MULTIFUNCTION METER ( MFM-02)

## FEATURES :

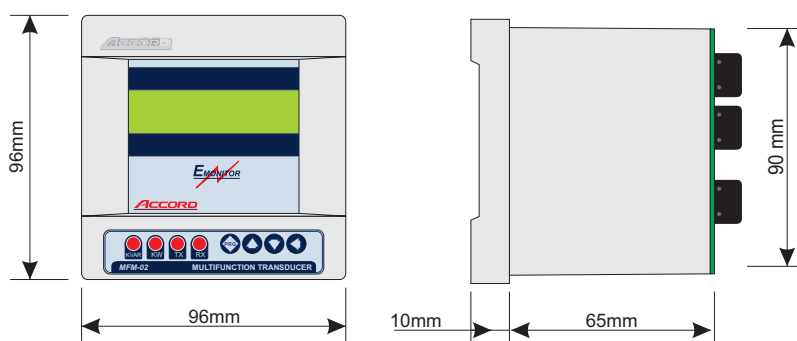
- > By level monitoring of all Electrical Parameters viz.
- > V, I, cosΦ, Hz, KVA, KVAR, KW & KWH.
- > True RMS measurement.
- > Available in different class of accuracies (0.2% / 0.5%).
- > User selectable display ranges / PT & CT Primary.
- > Auto Scrolling / Manual display.
- > RS485 communication port with MODBUS RTU Protocol.  
Compatible for data logging & SCADA applications.
- > In-built RTC (Real Time Clock) with calendar.
- > TX & RX Led's are provided as a Optical port.



## GENERAL SPECIFICATIONS:

1.	Version	: a)Single Phase, b)3Φ-, 3-wire, 2-element, c) 3Φ-, 4-wire, 3-element. Specify the version required, while ordering.
2.	Quadrant of Operation	: Four
3.	Display	: LED display.
4.	Human Machine Interface	: Through Front Panel Tactile Keys.
5.	Indications.	: i) Phase Voltage (VPtoP). ii)Line Current (IL).iii)Frequency (Hz.) iv)Power Factor (Cos ). MVAR.v)MW. vi)MVARH (lead & Lag).vii)MWH (Import & Export.) MVARH & MWH is configurable from 15 to 60 mins for data communication via RS485 port.
6.	Voltage Inputs.	: Through suitable PT. Primary side: User selectable. Secondary side:63.5 or 110 V AC(HT Application PT input)/ 230VAC or 415- 500VAC (LT ApplicationPT input) optional Specify any one while rdering.
7.	Current Inputs.	: Through suitable CT. Primary side: User selectable. Secondary side: 1A / 5A. Specify
8.	Auxiliary Supply.	: SELF POWEREED or 18-60VDC 10%.(With +ve or -ve earthed) or 90-270V AC/DC
9.	VA burden.	: 1.5VA
10.	Frequency Range.	: 40 to 60 Hz.
11.	Power Factor Range.	: 0.5 lag – 1 – 0.5 lead.
12.	Over Voltage.	: 200% for 5 seconds.
13.	Over Current.	: 2 times continuous, 20 times for 1 second.
14.	Response time.	: 200 milli -seconds.
15.	Sampling Rate.	: 32 samples per cycle.
16.	Class Of Accuracy.	: 0.2/0.5 % as per IEC 60687, Is14697.
17.	Display Resolution	: Up to 1 Decimal.
18.	Output.	: A) RS485 Hardwired communication port for online communication. B) Optical serial communication port for standalone memory for data retrieval.
19.	Optional	: CT Shorting Terminals.
20.	Ambient Conditions.	: Working: 0° – 55°C, 5 – 95% RH. Storage: -20°C to 70°C.

## DIMENSIONS:



**NOTE: Due to continuous development and upgradations, specifications are subject to change without any prior notice.**  
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