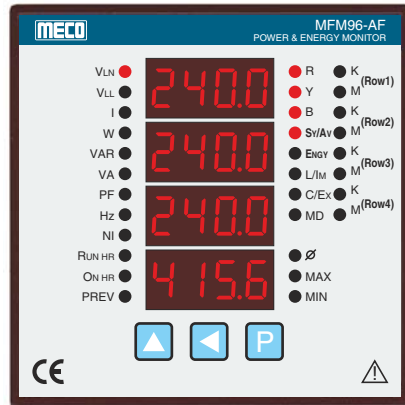




MFM-96AF

Features

- TRMS Measurement
- 23 Parameters on 46 Pages
- 4 Rows of 4 Digit Super Bright RED LED Display
- 3 Phase 3 Wire / 3 Phase 4 Wire System (User Selectable)
- Programable CTR, PTR, Instrument Address, Password & MD Period
- Energy Import-Export (4 Quadrant Operation)
- POWER MASTER Software (Optional)
- RS485 Port, 4KV Isolated with MODBUS RTU Protocol (Optional)
- CE Compliance with EN61010-1, EN61326-1
- Inbuilt Memory to Store CTR, PTR, Instrument Address, Password & MD period
- Auto Scroll (5 sec.) / Manual Scroll Display
- Built in 20 Energy Meters of 8 Digit Resolution
- Energy Retention & Password Protected Energy Reset Facility
- Max. Demand for KW or KVA with user Selectable Demand Interval 5-30 Minutes
- Password for Protection of Programmable Parameters
- RUN Hours, ON Hours
- Phase Angle & Phasor Angle Measurement
- Display Previous Energies
- Set Date & Time
- Measurement of Min. & Max. Voltage & Current Values

Parameters Measured	Accuracy $\pm$ (FS +5Digit)		Phase	System
	Standard	Optional		
Voltage	$\pm 0.5\%$	$\pm 0.2\%$	V1N, V2N, V3N, V12, V23, V31	V (System)
Current	$\pm 0.5\%$	$\pm 0.2\%$	I1, I2, I3, NI	I (Average)
Active Power	$\pm 1\%$	$\pm 0.5\%$	W1, W2, W3	W (System)
Reactive Power	$\pm 1\%$	$\pm 0.5\%$	Var1, Var2, Var3	Var (System)
Apparent Power	$\pm 1\%$	$\pm 0.5\%$	VA1, VA2, VA3	VA (System)
Maximum Demand	$\pm 0.5\%$		W1, W2, W3, VA1, VA2, VA3	W (System), VA (System)
Frequency	± 0.2 Hz		NA	Hz (System)
Power Factor	$\pm 1^\circ$ Electrical		PF1, PF2, PF3	PF (System)
Active Energy	Class 1		KWh1, KWh2, KWh3	KWh Total (Imp.), KWh Total (Exp.)
Reactive Energy			KVarh1, KVarh2, KVarh3	KVarh Total (Ind.), KVarh Total (Cap.)
Apparent Energy			KVAh1, KVAh2, KVAh3	KVAh Total
Phase Angle	NA		V1V2, V1V3, V1I1, V2I2, V3I3	NA

Specifications

Display	Simultaneous Display of 4 Parameters, 4 Digits Resolution, 0.36" / 9.2mm Digit Height		Current Input	<0.2VA / Phase
			System	3P2E3W / 3P3E4W
			Standard	
Auxiliary Supply	85 - 265V AC / DC, Optional : 19 - 90V AC / DC		Installation Category	Cat II (IEC / EN61010-1)
Input			Pollution	Degree 2 (IEC / EN61010-1)
Voltage/Phase	51 - 300VAC (Max.) PH-N	Any one	Environment	
	17 - 138VAC (Max.) PH-N		Calibration	27°C ± 5°C
	88 - 519VAC (Max.) PH-PH	Any one	Operating	0 to 50°C, RH < 70%
	30 - 239VAC (Max.) PH-PH		Storage	-10 to 60°C, RH < 70%
Current/Phase	0.050A to 1.2A (Max.)	Any one	Terminal Block	Plug in type
	0.250A to 6A (Max.)		Dimensions (mm)	
Frequency	45 - 65 Hz		Front	96 x 96mm
Power Factor	0.300 Lag (L) - 1.000 - 0.300 Lead (C)		Depth (Behind Bezel)	90mm
VA Burden (Typical)			Panel Cut-Out	92 ^{+0.8, -0.0} x 92 ^{+0.8, -0.0}
Auxiliary	<2.5VA		Dielectric Strength	2.5kV at 50Hz for 1 min.
Voltage Input	<0.3VA / Phase		Insulation Resistance	>20M0hms at 500V DC

Ordering Information : Model, Input Voltage, Input Current, Input Frequency, Accuracy (Standard / Optional) and RS485 MODBUS Communication (Optional)

Terminal Connection

