

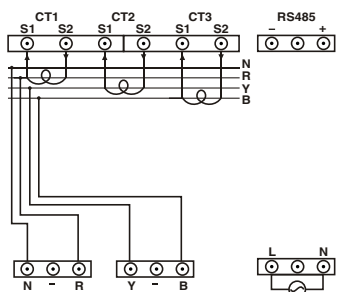


(96 x 96)

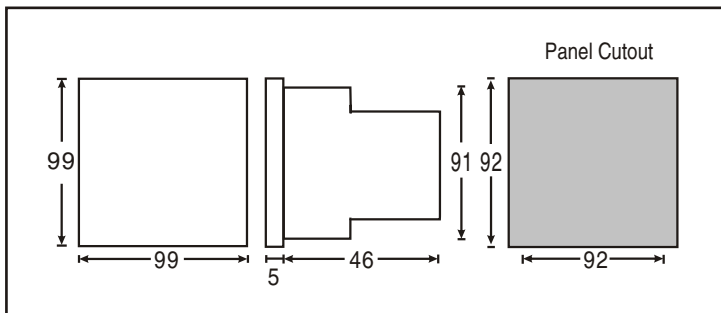
## Ordering Information

MFM383

## Terminal Connections



## Dimensions (in mm)



## Functional Specifications

### Monitors-

- 3Ø (Rms) Voltage
- 3Ø (Rms) Current
- 3Ø Power (Active, Apparent)
- 3Ø Power factor
- Frequency
- Energy

## Technical Specifications

<b>Display</b>	Liquid crystal display (with backlight)
<b>Digits</b>	3 rows of 3 digits, Bar graph, 8 digits for energy
<b>Input Type</b>	3 Ø-4 wire & single Ø supply

## Technical Specifications

<b>Display Scrolling</b>	Auto / manual
<b>Range</b>	99999999 for energy
<b>Resolution*</b>	0.01, 0.1, 1 Auto shift from 0.1 to 1 for energy
<b>CT Primary</b>	5 to 5000 programmable
<b>Burden (max)</b>	0.2 VA max @5A per phase
<b>Rated Input Voltage</b>	350VAC max (25 VAC min)

## ACCURACY TABLE

Measurement	Accuracy
Voltage $V_{L-N}$	$\pm 0.5\%$ of F.S. + 1 digit
Voltage $V_{L-L}$	$\pm 1\%$ of F.S. + 1 digit
Average Voltage	$\pm 0.5\%$ of F.S. + 1 digit
Current	$\pm 1\%$ of F.S. + 1 digit
Average current	$\pm 1\%$ of F.S. + 1 digit
Frequency	$\pm 0.1$ Hz
Active Power	$\pm 1\%$ of F.S. + 1 digit
Apparent power	$\pm 1\%$ of F.S. + 1 digit
Power factor & Avg Pf	$\pm 0.01$ PF + 1 digit
Energy	Class 1

<b>Display Reset</b>	Programmable (for energy)
<b>Memory</b>	10 years (for energy)
<b>Parameter Indication</b>	1) LCD for all measured parameters 2) % of current in bar graph form

## SERIAL COMMUNICATION

<b>Interface standard</b>	RS485
<b>Communication address</b>	1 to 255
<b>Transmission mode</b>	Half duplex
<b>Data types</b>	Float
<b>Transmission protocol</b>	MODBUS RTU
<b>Transmission distance</b>	500 m maximum
<b>Transmission speed</b>	300, 600, 1200, 2400, 9600, 19200 (in BPS)
<b>Parity</b>	None, odd, even
<b>Stop bits</b>	1 or 2
<b>Response time</b>	100 ms (max and independent of baud Rate)

<b>Aux Supply Voltage</b>	90 to 270 VAC, ( AC: 50 or 60 Hz )
<b>Temperature</b>	Operating: 0 to 50°C Storage: -20 to 75°C
<b>Humidity (non-condensing)</b>	85%
<b>Weight</b>	224 gms

Specifications are subject to change without notice since development is a continuous process.

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