



## Features:

- 3 Ø (rms) Voltage
- 3 Ø (rms) Current
- 3 Ø Power (Active & Apparent)
- 3 Ø Power Factor
- Frequency
- Energy
- Programmable CT Primary
- RS485 Communication (Optional)

Size: 1/4 DIN 96mm x 96mm

Certifications: CE  PENDING

## Technical Specifications

### Display

|               |  |
|---------------|--|
| Display       | 3 row, Liquid Crystal Display (with backlight) |
| Digit         | 3  |
| Digit Height  | 0.5" (13mm)                                    |
| Display Range | 99999999 for energy                            |
| Bargraph      | Representation of Current                      |

### Input Specifications

|                       |   |
|-----------------------|---|
| Electrical Connection | 3 Ø-4 wire & 1 Ø - 2 wire   |
| Rated Input Current   | 5 A max   |
| Display Scrolling     | Auto / manual   |
| Rated Input Voltage   | 350V AC   |
| Input Current Range   | 10mA - 5A AC (6A max.)  |
| Rated Input Current   | 5A max  |
| Voltage Burden        | 0.2 VA max per phase  |
| Frequency             | 50 & 60 Hz (Separate Models)  |
| Resolution            | 0.01, 0.1, 1, Auto shift from 0.1 to 1 for energy (depending on CT Prim.) |
| Memory Retention      | 10 years (for energy)   |

### Supply Specifications

|                  |                                     |
|------------------|-------------------------------------|
| Auxiliary Supply | 90 to 270V AC/DC, (AC: 50 or 60 Hz) |
|------------------|-------------------------------------|

### Resettable Parameters

|             |                        |
|-------------|------------------------|
| C.T Primary | 5 to 5000 programmable |
|-------------|------------------------|

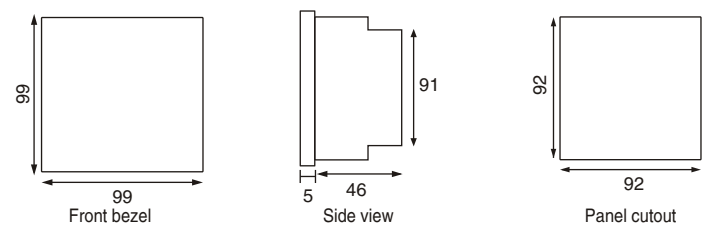
### Environmental Specifications

|                           |  |
|---------------------------|--|
| Temperature               | Operating: 0 to 50°C<br>Storage: 0 to 75°C |
| Humidity (non-condensing) | Upto 85% RH                                |

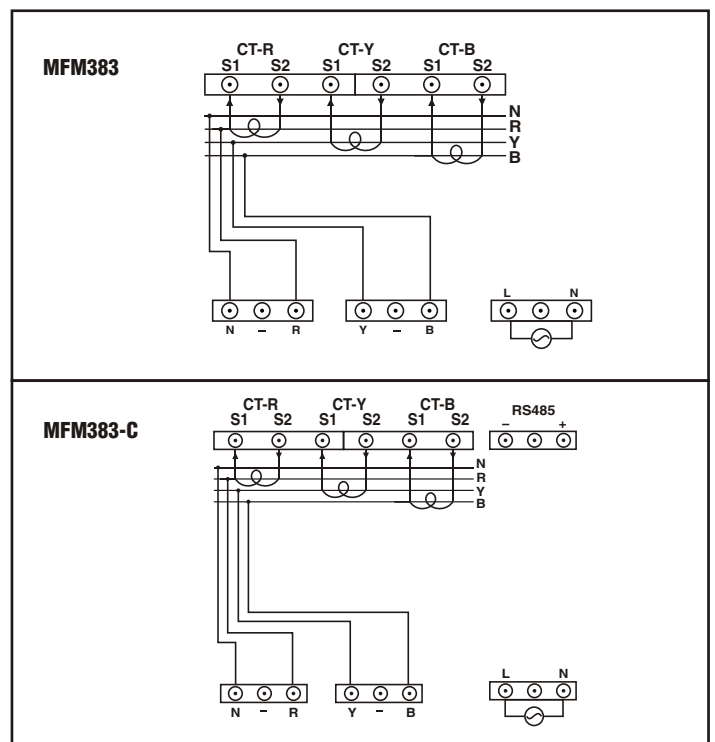
## Mechanical Specifications

|                  |                    |
|------------------|--------------------|
| Mounting         | Panel mount        |
| Weight           | 250 gms            |
| Protection Level | IP65 for faceplate |

## Dimensions



## Terminal Connections



## 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 $V_{L-N}$ | $\pm 0.5\%$ of F.S. + 1 digit |
| Average Voltage $V_{L-L}$ | $\pm 1\%$ of F.S. + 1 digit   |
| Current                   | $\pm 1\%$ of F.S. + 1 digit   |
| Average current           | $\pm 1\%$ of F.S. + 1 digit   |
| Frequency                 | $\pm 0.1\%$ of F.S            |
| 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                       |

## Ordering Information

| Part No. | Supply Voltage | Output       |               |
|----------|----------------|--------------|---------------|
|          | 90-270V AC     | Pulse Output | Commn (RS485) |
| MFM383   | ■              | ■            |               |
| MFM383-C | ■              | ■            | ■             |

**EN-VIEW:** Windows based communication software available for data logging.