



96 x 96mm

Features :

- 3 Ø (True rms) voltage
- 3 Ø (True rms) current
- 3 Ø Power factor
- 3 Ø Power (active, reactive, apparent)
- Frequency

Display specifications

Display	3 rows, 7 segments LED
Digits	3

Input specifications

Electrical connection	3Phase -3Wire, 3Phase-4Wire
Input voltage range	11 to 300V AC (phase to neutral) 19 to 519V AC (phase to phase)
Input current range	Nominal 5AAC (Min - 20mA, Max - 6A)
Frequency	45 to 65Hz
Power consumption	<8VA max
Accuracy	Voltage (L - N / L - L): $\pm 0.5\%$ of F.S. Current : $\pm 0.5\%$ of F.S. Power factor : ± 1.00 Frequency : $\pm 0.1\%$ for Measuring Voltage > 11V for L - L voltage > 35V Power (active, reactive, apparent) : 1%
Measuring Parameters	Voltage (L - L / L - N) (individual/average), Current (I1, I2, I3) (individual / average), Frequency, Power factor (individual/average), active power, reactive & apparent power (individual/average), Run hour, RPM

Supply specifications

Auxiliary supply	85V to 276V AC, 50 / 60Hz
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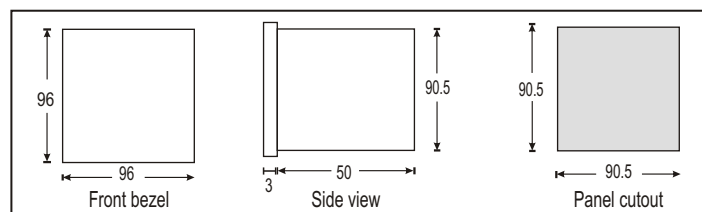
Environmental specifications

Temperature	Operating : -10° to 55°C Storage : -20° to $+75^{\circ}\text{C}$
Humidity (non - condensing)	Upto 85% RH

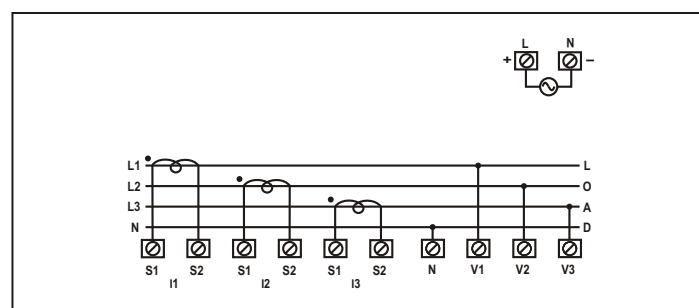
Mechanical specifications

Mounting	Panel mount
Weight	191gms

Dimensions (all are in mm)



Terminal connection



Compliance

Applicable EMI / EMC Standards

Product standard : IEC 61326 - 1

Category		Standards Compliance
EFT (Electrical Fast Transient)	IEC 61000 - 4 - 4	Level III (2KV)
Surge immunity	IEC 61000 - 4 - 5	$\pm 2\text{kV}$ Common mode, (Line to Ground) $\pm 1\text{kV}$ Differential mode, (Line to Line)
Voltage dips and interruption	IEC 61000 - 4 - 11	Dips : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 600Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruptions : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
ESD immunity	IEC 61000 - 4 - 2	Level IV (Air Discharge : 15kV), (Contact Discharge : 8kV)
Radiated susceptibility	IEC 61000 - 4 - 3	Level III, 80 to 1000MHz (10V / m) Level II, 1.4GHz to 2GHz (3V / m) Level I, 2GHz to 2.7GHz (1V / m)
Radiated emission	CISPR - 11	
Conducted emission	CISPR - 11	

Ordering information

Product code	Supply voltage	Certification
MFM391	85V to 276V AC	---