MFM391

Multifunction Meter

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 5A AC (Min - 20mA, Max - 6A)
Frequency	45 to 65Hz
Power consumption	<8VA max
Accuracy	Voltage (L - N / L - L):± 0.5% of F.S Current : ±0.5% of F.S. Power factor : ±1.00 Frequency : ±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

Auxilary supply	85V to 276V AC, 50 / 60Hz

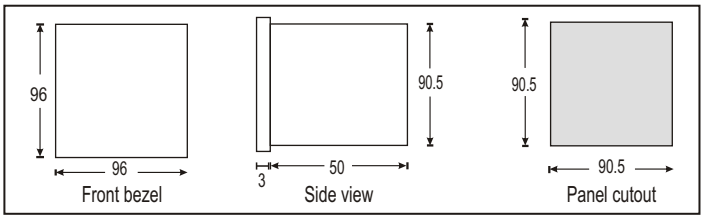
Environmental specifications

Temperature	Operating : -10° to 55°C Storage : - 20° to +75°C
Humidity (non - condensing)	Upto 85% RH

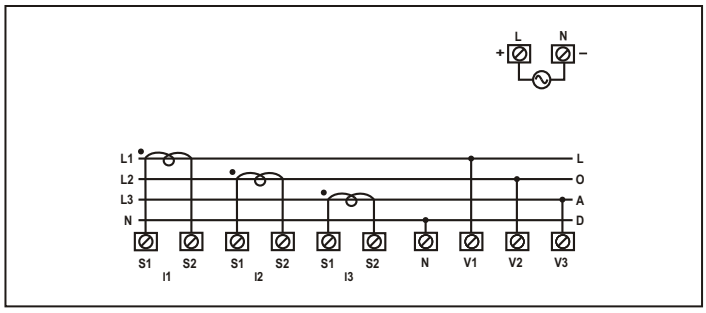
Mechanical specifications

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	± 2kV Common mode, (Line to Ground)
		± 1kV 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	---