

Features:

- ◆ LCD display with backlight
- ◆ Site Programmable CT and PT ratio
- ◆ True RMS measurement
- ◆ Compact 96 x 96 x 55mm DIN Enclosure
- ◆ Micro-controller based
- ◆ RS485 computer interface
- ◆ Displays with customized LCD
- ◆ Autoranging
- ◆ Frequency (Hz), Three Energies (kWh, kVAh, KVARh)



Measuring Parameters & Specifications

Volts R-N	Direct Voltage Input : 20 to 300V L-N Burden : 0.5VA
Volts Y-N	
Volts B-N	
Volts RY	Direct Voltage Input : Up to 500V L-L Burden : 0.5VA
Volts YB	
Volts BR	
Current R	Secondary Current Input : 5A or 1A (To be specified at the time of Ordering) CT Primary : Site Selectable Range of Reading : 5 – 5000A Burden : < 1.0VA Overload(Through CT) : 5A CT = 6A RMS Continuous 1A CT = 1.2A RMS Continuous (Whole Current) : 120% of I _{max} continuous.
Current Y	
Current B	
Frequency	45 to 55 Hz, Accuracy : 0.3% of Reading
KWh	Range of Reading : 0 to 9999999.9 KWh Accuracy : 1.0S as per IS13779.
KVARh	Range of Reading: 0 to 9999999.9 KVARh Accuracy : 1.5% of Reading (Between 0.5 Lag to 0.8 Lead)
KVAh	Range of Reading: 0 to 9999999.9 KVAh Accuracy : 1.0% of Reading
System PF	Accuracy : 1% of Reading (IPFI>0.5) Range of Reading : 0.05 to 1.00 Lag/Lead
System KVA	Accuracy : 1.0% of Reading
System KW	Accuracy : 1.0% of Reading
System KVAR	Accuracy: 1.5% of Reading (Between 0.5 Lag to 0.8 Lead)
Display	0.4" Red Seven Segment.
RS-485	For Integration with EMS/SCADA

Applicable Standards

Radio Interference Suppression	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Damped Oscillatory Waves Immunity Test	IEC61000-4.12
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5
Test of Protection Against Penetration of Dust & Water	IEC60529

Safety Standards

Safety Standard	IEC61010-1
Pollution Degree	2
Installation Category	III
High Voltage Test	3.3 kV AC, 50Hz for 1 Minute Between Aux.& Measuring Inputs

Environmental Specifications

Temperature	Operating : -10° to 55°C Storage : -20° to 75°C
Humidity	< 95% RH

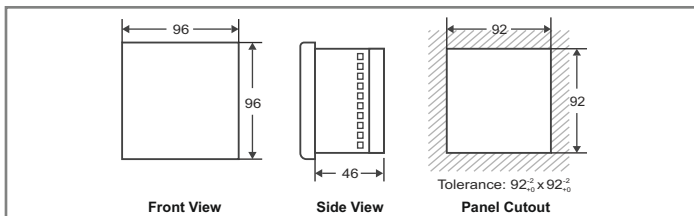
Mechanical Specifications

Mounting	Flush Mounting with Side Clamps
Weight	280 g
Enclosure Material	ABS Thermoplastic

Ordering Information

Ordering Code	Specs
EMF 9620	Multi Fuction Meter nMaster with RS485 LCD

Dimension



Certifications

CE RoHS



Connection Diagram

