



Multifunction Meter

Instrument
Division

AE 9000 BM ▶ AE 9001BM ▶ AE 9002 BM ▶ AE 9003 BM

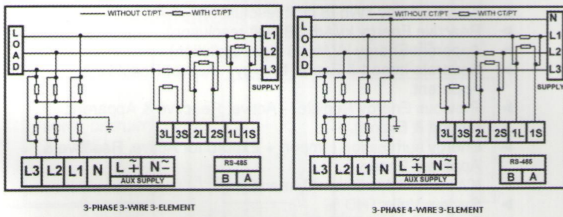
7. Specifications

Type:	3-Phase-3-wire/ 4wire, (Programmable through front panel Switches).
Input voltage V AC	110V or 440 V (L-L)
Voltage Overload	1.5 times for 10 sec
Input Current A AC	1A or 5A
Current Overload	50A max for 3 sec
Auxiliary supply	AC / DC: 85 V - 300 V.
Burden	For Voltage / Current - 0.2 VA max per Volt/Amp input, Auxiliary - 3VA max
Frequency	45 Hz - 55Hz
Resolution	RMS 4 digit, Integral 8 digit
Accuracy Class:	1.0.
RS485 communication:	Two wire half duplex, Baud rates - 9600, 19200, 38400.
Isolation:	2k VAC isolation for 1min. between communication and other circuit.
Environmental:	Operating Temp. -10 to +60 °C. Storage temp.-20 to +85°C, Humidity [95% RH non condensing.
Mechanical Size:	Bezel : 96 x 96 mm, Depth : 83mm behind Bezel
Protection	IP52 for front Display.
Conform to	IS13875, IEC- 61000-4-2, IEC61000-4-5, IEC61000-4-6, EMI/EMC- IS14697;CL 12.8.5. For Energy Accuracy - Class 1 - IS13779 / IEC 62052-11 & 62053-21.
Casing	ABS
Keypad	2 Functional keys
Display	3 line, 4 digits LED display.

8. Digital Communication (OPTIONAL)

An RS485 communication Port is available for direct connection to SCADA systems (EMS / BMS) using the Modbus RTU protocol. Remote monitoring enables the user to record the systems parameters in real time basis.

9. Wiring Diagram:



10. Dimensions:

