



Only  
**45 mm**  
Depth



## EMM Series Multimeters

EMM series Multimeters measure the parameters that belongs to 3 phase electrical network.

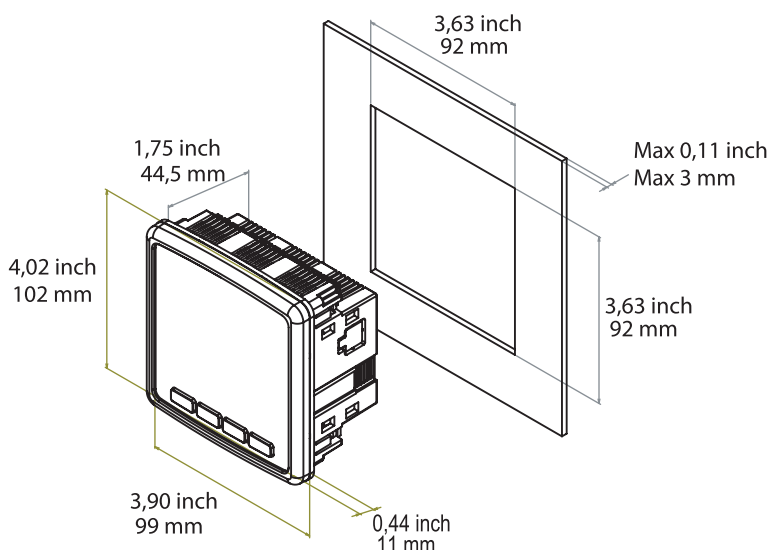
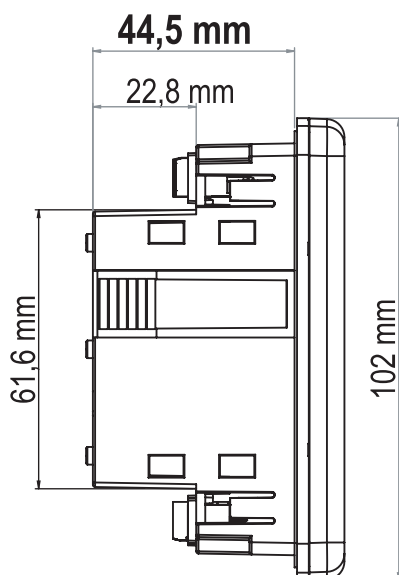
EMM series has **modern look** with 3 row 4 digit special designed display. EMM series have optional modbus serial communication interface for transmitting instantaneous electrical data and alarm output.

With the new **slim design (45mm)** you can easily install to narrowest panels.

- Slim design which is **45mm** depth including terminal block
- Special designed display
- X/5 and X/1 current transformer options
- RS-485 Modbus communication(Optional)
- Alarm output(Optional)
- Voltage, Current, Frequency, Cosphi measurement
- 100-270VAC/DC Aux supply
- IP20 protection class
- Phase indicator on front panel
- Demand measurement
- Run hour
- Calculated neutral current



	EMM-04	EMM-04S	EMM-04CS
ENCLOSURE			
Dimensions	96x96x44,5 mm		
Protection Class	IP20		
Display	3x4 LED Display		
MASUREMENT			
Voltage			
Measurement Range	Up to 300 VAC(VLN) /480 VAC(VLL)		
Accuracy	%1		
CURRENT			
Measurement Range	0,05-5,5 A		
Accuracy	%1		
SUPPLY			
Operating Voltage	100-270 VAC (-15%+10%)		
Operating Frequency	50-60 Hz		
OUTPUT STRUCTURE			
Run Hour Meter	√		
Total Run Hour Meter	√		
Contact Output (Optional)	X		2x (5A 250 VAC/ 1250VA)
COMMUNICATION			
Communication Protocol	X	RS-485 Modbus RTU	RS-485 Modbus RTU
ABMIENT CONDITIONS			
Operating Temperature	-20+70°C		
Storing Temperature	-30+80°C		
Max Humidity	%95		
IP Protection	IP 20		
STANDARTS			
	EN 61326,61000-6-4,61000-6-2 emc		
	EN 61010-1 Safety		
	EN 60529 Mechanical		
	EN 60068-2-1,60068-2-2 ,60068-2-30 Environmental		
CONNECTIONS			
Mounting	Front Panel Mounting		
Connection terminals	Screw Terminal with Socket		
Connection types	3P3W, 3P4W, Aron, 3P3W(B), 3P4W(B)		



#### HEADQUARTERS

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