



1 PHASE ENERGY & POWER METER

EM-1P

APPLICATIONS

Electrical Control Panel

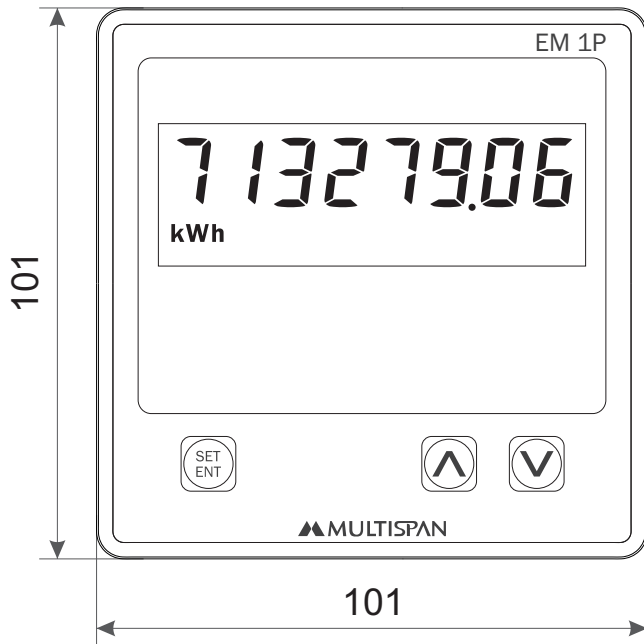
Power Distribution

Instrumentation Panel

Transformer training

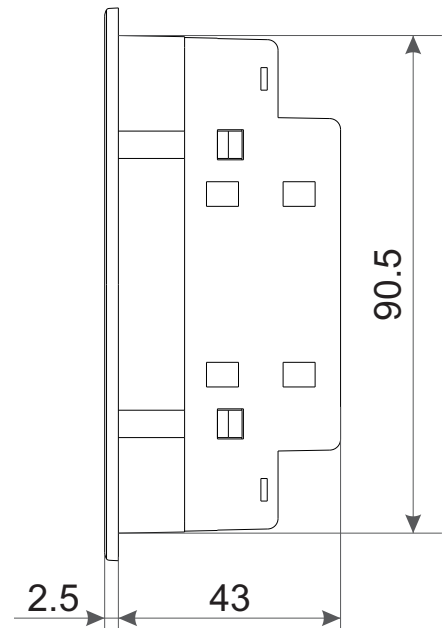
Mechanical Dimensions

Body Dimensions



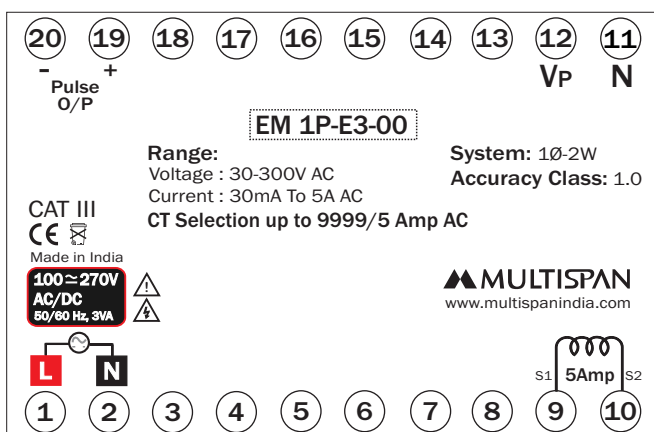
FRONT VIEW

All dimensions are in mm

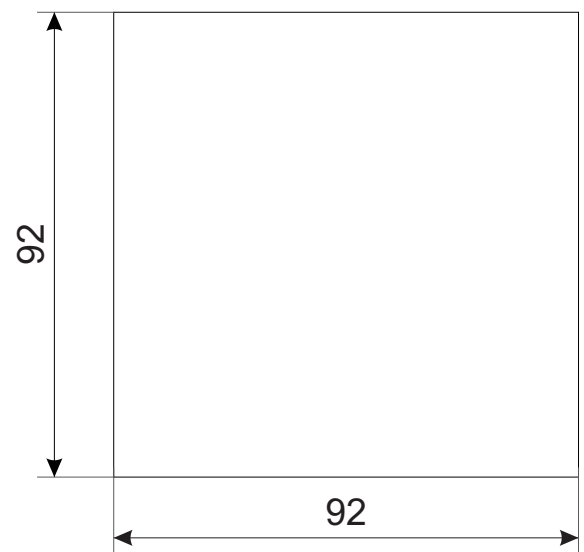


RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



TECHNICAL DATA

Input	Voltage	30 - 300V AC (L-N)
	Current	Primary CT : 5/5A To 9999/5A AC Secondary Current : 5A (0.03 to 5Amp)
Specification		
	Calculated Parameter	Active Power (kW) & Active Energy (kWh)
	Network Connection	1Ø - 2W
Accuracy		Class 1.0
Power Supply		100 to 270V AC/DC,50/60Hz

Meter Type

1Ø - 2W

Auxiliary Power Supply

Power Supply	100 to 270V AC/DC
Consumption	3VA

Input

Voltage

Voltage 30 To 300V (L-N)

Burden <0.2 VA

Current

Secondary Current 0.03 to 5Amp

Burden <0.2 VA

CT Ratio 5 To 9999 Programmable

Starting Current 0.03A

Environmental Characteristics

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95% RH Non-condensing
Warm up time	5 minutes

Display

Display	8 Digit 7 Seg 0.5" Red LED Display
Key	SET/ENT , INC,DEC

Accuracy

Class 1.0

Calculated Parameters

Parameter	Range
Active Power	0 to 9999 kW
Active Energy	0 to 99999999 kWh

Mechanical Characteristics

Mounting Type	Panel Mount
Dimension (HxWxD) mm	101 x 101 x 43
Panel Cutout (HxW) mm	92 x 92
Material	Front: Polycarbonate (PC) Enclosure: ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 230 Packed : 285
Accessories	1 Pair of Mounting Clamps