



# MULTIFUNCTION METER

AVH-14

## APPLICATIONS

Control & Relay Panel

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Energy Management System

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DG Set Panels

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LT / HT Panel

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Power Control Center Panels

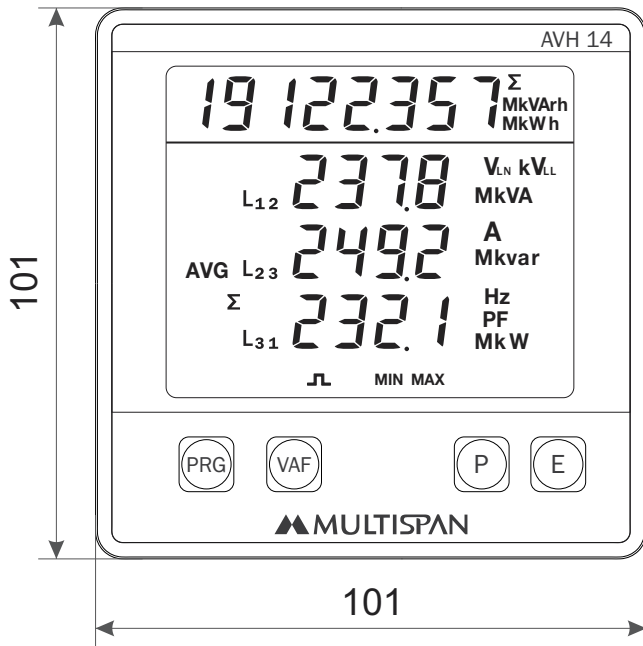
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Motor Control Center Panels

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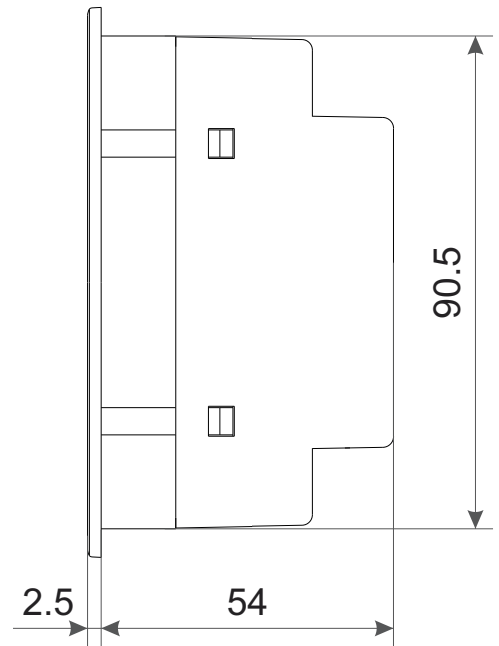
# Mechanical Dimensions

## Body Dimensions



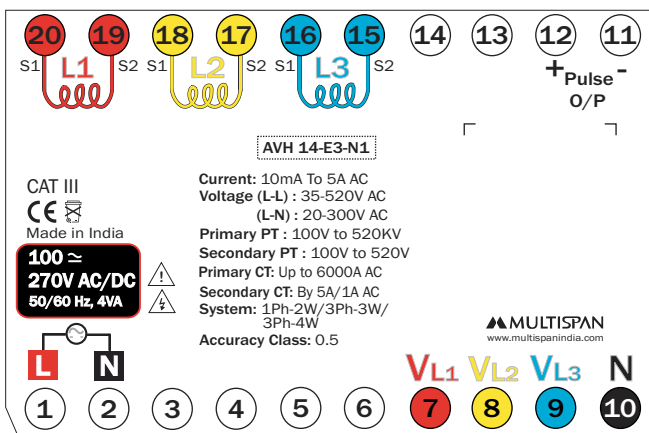
**FRONT VIEW**

All dimensions are in mm

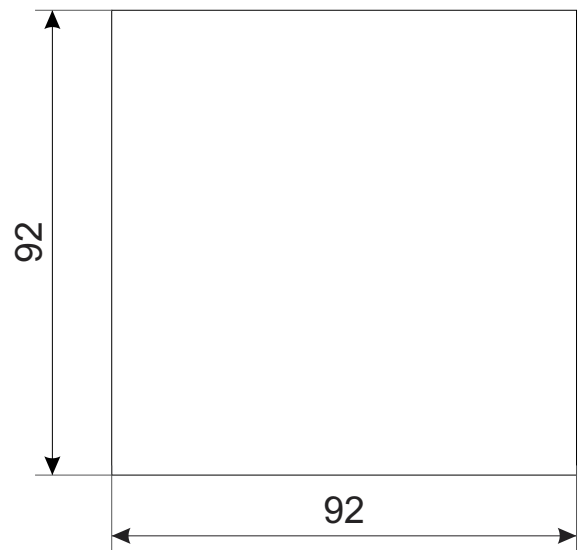


**RIGHT SIDE VIEW**


## Connection Diagram



## Panel cutout



# TECHNICAL DATA

<b>Current</b>	10mA To 5A AC
<b>Voltage</b>	(L-L) : 35-520V AC (L-N) : 20-300V AC
<b>Primary PT</b>	100V to 520KV
<b>Secondary PT</b>	100V to 520V
<b>Primary CT</b>	Up to 6000A
<b>Secondary CT</b>	By 5A/1A
<b>System</b>	1Ph-2W/3Ph-3W/3Ph-4W
<b>Power Supply</b>	100 to 270V AC/DC,50/60Hz Approx 4VA
<b>Certification</b>	

## Meter type

1  $\Phi$  2W / 3  $\Phi$  4W / 3  $\Phi$  3W ( Selectable )

## Input

### Voltage AC

**Direct Voltage** 20 To 300V ( L - N )  
35 TO 520V ( L - L )

### Current AC

**Secondary Current AC** 10mA to 5 Amp  
**Primary PT** 100V to 520KV  
**Secondary PT** 100V to 520V  
**Primary CT** Up to 6000A  
**Secondary CT** By 5A/1A  
**Sampling Rate** 164 Sample / Cycle

## Auxiliary power supply

**Power Supply** 100 to 270V AC/DC, 50/60Hz  
**Burden** 4VA  
**Compliance for Isolation** Between Power Supply and all Inputs is tested at 2KV for 1 minute

## Accuracy

Class 0.5

## Display, Led & Keys

**Display** Upper 8 Digit 1 Line 7 seg 0.4"  
Lower 4 Digit 3 Line 7 seg 0.4"  
**Key** PRG , VAF , P , E

## Output

**Pulse Output** Voltage :- External 24V DC  
Current Capacity :- 25mA  
Pulse width - 50 to 500ms

## Environmental Characteristics

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

## Mechanical Characteristics

**Mounting Type** Panel Mount  
**Dimension (HxWxD) mm** 101 x 101 x 54  
**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 : 225  
Packed : 280  
**Accessories** 1 Pair of Mounting Clamps