



MULTI FUNCTION METER

PREMIUM POWER & ENERGY

AVH 16

APPLICATIONS

Original Equipment
Manufacturers (OEMs)

Energy Management System

DG Set Panels

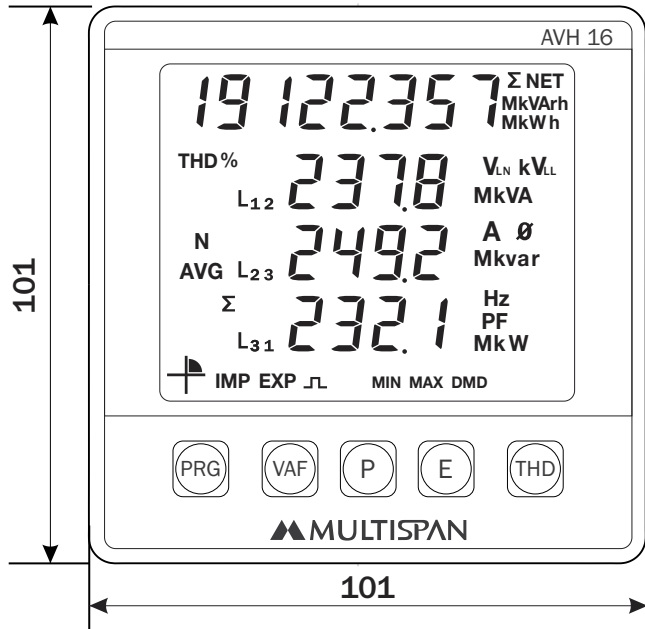
LT / HT Panel

Power Control Center Panels

Motor Control Center Panels

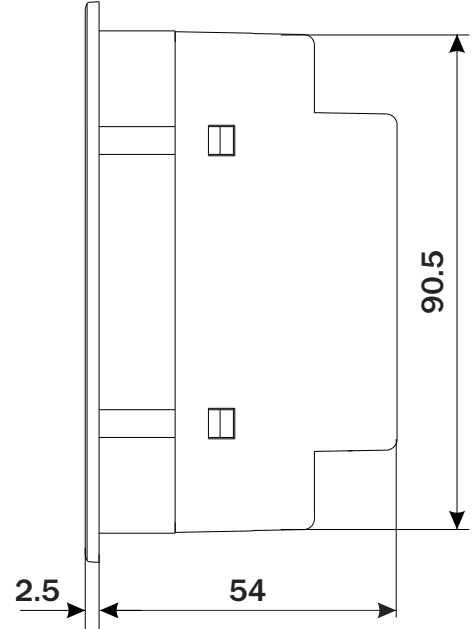
Mechanical Dimensions

Body Dimensions



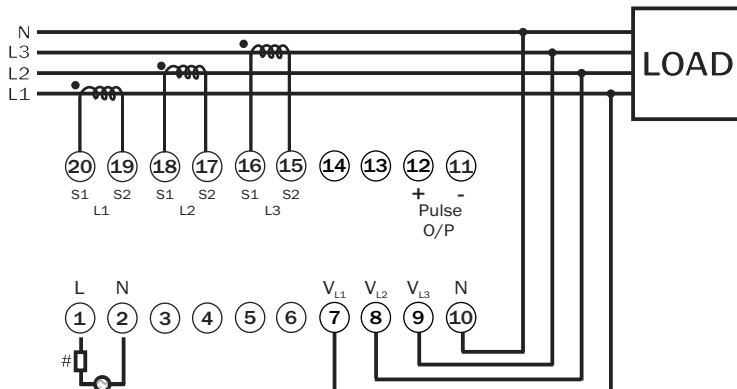
FRONT VIEW

All dimensions are in mm

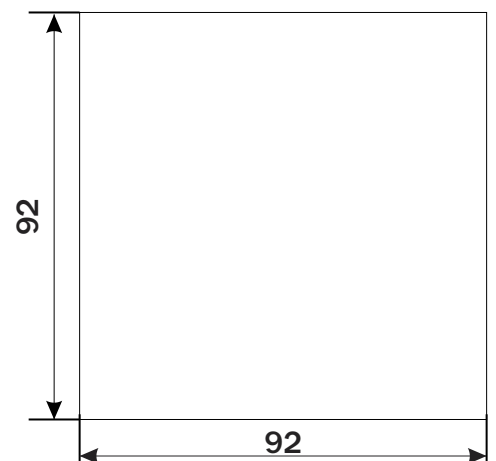


RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



Proper conclusion about energy consumption and power quality can only be made through measurements that extend beyond the feed point. To locate disturbances or energy wasters, data must be recorded at multiple points in the network, the granularity (resolution) of the measurement is key. The new AVH series is an ideal solution for this task. It is suitable for measuring and controlling electrical variables, energy consumption as well as monitoring the power quality parameters, such as harmonics. It is used in energy distribution systems, for example, to record cost centres and monitor thresholds.

Harmonics Measurement

- THD measurement For Voltage And Current, Up to 32 Harmonic.
- Individual Harmonics up to 32 order For Voltage.
- Individual Harmonics up to 32 order For Current.

Demand Measurement

- For Active Power.
- For Apparent Power.
- Display Of Minimum and Maximum Values.

Complete Energy Measurement

- Import Active Energy.
- Export Active Energy.
- NET Active Energy.
- Total Active Energy.
- Total Apparent Energy.
- Import Reactive Energy.
- Export Reactive Energy.
- Lag & Lead Reactive Energy.
- Total Reactive Energy.

Input	
Voltage	
Direct Voltage	20 To 300V AC (L-N) 35 TO 520V AC (L-L)
Current	
Secondary Current AC	10mA to 5Amp AC
Primary PT	100V to 520KV
Secondary PT	100V to 520V
Primary CT	Up to 9999A
Secondary CT	By 5A/1A
Voltage THD%	Up to 32 Level
Current THD%	Up to 32 Level

Meter type
1Φ 2W / 3Φ 4W / 3Φ 3W (Selectable)

Display, Keys & LED		
Display	Upper	8 Digit 1 Line 7 seg 0.4"
	Lower	4 Digit 3 Line 7 seg 0.4"
Key	PORG, VAF, P, E, & THD	

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

Measurement Accuracy	
Accuracy	0.5 Class

Auxiliary power supply	
Power Supply	100 to 270V AC/DC,50/60Hz
Burden	4VA

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

Mechanical Characteristics	
Mounting Type	Panel Mount
Dimension (HxWxD) mm	101 x 101 x 54
Panel Cutout (HxW) mm	92 x 92
Material	Front Enclosure
	Polycarbonate (PC) ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Guage (AWG)	26-14
Weight (Approx) gms	Unpacked : 282 Packed : 337
Accessories	1 Pair of Mounting Clamps