

# AVH 16-M1 MULTI FUNCTION METER



## TECH SPECS

Dimension (HxWxD) mm	96 x 96 x 54
Current	30mA To 5A AC
Voltage	(L-L) : 35-520V AC (L-N) : 20-300V AC
Primary PT	100V to 520KV
Secondary PT	100V to 520V
Primary CT	Up to 6000A
Secondary CT	By 5A/1A
System	1Ph-2W/3Ph-3W/3Ph-4W
Power Supply	100 to 270V AC,50/60Hz Approx 4VA
Certification	

## APPLICATIONS

- Control & Relay Panel
- Original Equipment  
Manufacturers ( OEMs )
- Energy Management System
- DG Set Panels
- LT / HT Panel
- Power Control Center Panels
- Motor Control Center Panels

# Technical Specifications

## Input

### Voltage

Direct Voltage	20 To 300V ( L-N ) 35 To 520V ( L-L )
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### Current

Secondary Current AC	30mA to 5Amp
Primary PT	100V to 520KV
Secondary PT	100V to 520V
Primary CT	Up to 6000A
Secondary CT	By 5A/1A

Voltage THD%	Upto 32 Level
Current THD%	Upto 32 Level
Demand Measurement	Sliding & Block

## Environmental

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

## Output

Pulse Output ( Optional )	Voltage :- External 24V DC Current Capacity :- 25mA Pulse width - 50 to 500ms
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### Communication Output RS-485 ( Optional )

Interface	RS-485
Baud Rate	4800, 9600, 19200, 38400
Parity	None, Odd, Even
Protocol	Modbus - RTU
Transmission Distance	500 Meter Maximum
Communication address	1 to 128

## Mechanical Dimension

Outline Dimension (mm)	Panel Cutout Dimension (mm)

## Meter type

1Φ 2W / 3Φ 4W / 3Φ 3W ( Selectable )

## Measurement Accuracy

Class	0.5S
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## 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	

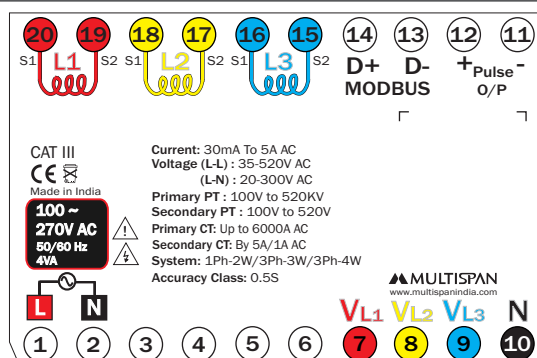
## Physical

Mounting Type	Panel Mount
Size ( H x W x D )mm	96 X 96 X 54
Front Bezel ( H x W ) mm	96 X 96
Panel Cutout ( H x W ) mm	92 X 92
Depth Behind panel (mm)	54
Material	ABS
Accessory	2 Panel Mounting Clamp
Terminal & Cable Size	Barrier Type terminal Cable Size ( 2.5 mm <sup>2</sup> )

## Auxiliary Power Supply

Power Supply	100 to 270V AC, 50/60Hz
Burden	4VA

## Connection Diagram



Multispan reserves the right to change specifications without prior notice. Printing and typographical errors reserved.

Product improvement and upgrade is a constant procedure. So for more updated operating information & support contact us.

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