Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

MULTISPAN

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	CE

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

Meter type

1Φ2W / 3Φ 4W / 3Φ 3W (Selectable)

Input

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

Environmental

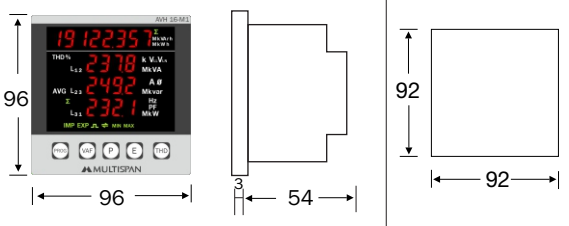
Working Temperature	0 to 55°C
Storage Temperature	0 to 55°C
Relative Humidity	95% RH Non-condensing
Warm up time	5 minutes

Output

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



Measurement Accuracy

Voltage V_{L-N}	±0.5%
Voltage V_{L-L}	±0.5%
Current	±0.5%
Frequency	±0.5%
Power Factor	< 0.5%
Active Power	< 0.5%
Apparent Power	< 0.5%
Reactive Power	< 0.5%
Energy	Class 0.5

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

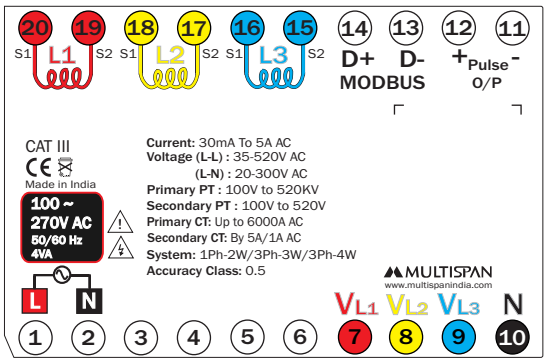
Physical

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^2)

Auxiliary Power Supply

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

Connection Diagram



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