

# Mosaic Panel Meters for Mosaic Panels (Indicator)



## M4V Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

### Features

- Various input options: 0 - 2 VDC $\Rightarrow$ , 0 - 10 VDC $\Rightarrow$ , 1 - 5 VDC $\Rightarrow$ , DC 0 - 1 mA, DC 4 - 20 mA
- High / low-limit display scale function
- Display range: -999 to 9999
- Display accuracy: F.S  $\pm$  2 % rdg  $\pm$  1-digit
- Error display function
- Built-in microprocessor

### Product Components

- Product
- Instruction manual
- Bracket  $\times$  2

### Specifications

Model	M4V
Input type	DC voltage, DC current
Measurement input type	0 - 2 VDC $\Rightarrow$ , 1 - 5 VDC $\Rightarrow$ , 0 - 10 VDC $\Rightarrow$ , DC 0 - 1 mA, DC 4 - 20 mA
Max. allowable input	$\approx$ 110 % F.S. for each measured input range
Display method	7 -segment (red) LED (character height: 14 mm)
Display accuracy	Dependent on the ambient temperature
0 to 50 °C	$\pm$ 0.2 % F.S. rdg $\pm$ 1-digit
-10 to 0 °C	$\pm$ 0.3 % F.S. rdg $\pm$ 1-digit
Display cycle	0.5 sec
Unit weight	$\approx$ 83 g
Approval	ERC
Power supply	12 - 24 VDC $\Rightarrow$ $\pm$ 10 %
Power consumption	$\leq$ 2 W
Insulation resistance	$\geq$ 100 M $\Omega$ (500 VDC $\Rightarrow$ megger)
Dielectric strength	2,000 VAC $\sim$ 50 / 60 Hz for 1 min
Noise immunity	$\pm$ 300 V square wave noise (pulse width: 1 $\mu$ s) by the noise simulator
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 1 hours
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 10 min
Shock	300 m/s <sup>2</sup> ( $\approx$ 30 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s <sup>2</sup> ( $\approx$ 10 G) in each X, Y, Z direction for 3 times
Ambient temperature	-10 to 50 °C, storage: -20 to 60 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)

### Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.

