

# Panel Meters (Indicator)



## M4N 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

- Input options (by model)
  - Input options: DC voltage, DC current
- Auto-zero adjustment and hold display value function
- Max display value: 1999
- 7-segment LED display
- Compact size: DIN W 48 × H 24 mm
- Power supply: 5 VDC≐, 12 - 24 VDC≐

### Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

**M 4 N - ① - ② ③**

**① Input type**

DV: DC voltage  
DA: DC current  
DI: DC 4 - 20 mA (scaling meter)

**② Power supply**

0: 5 VDC≐ ± 10 %  
1: 12 - 24 VDC≐ ± 10 %

**③ Measurement input**

	DC voltage input F.S.	DC current input F.S.
<b>1</b>	199.9 mV	199.9 μA
<b>2</b>	1.999 V	1.999 mA
<b>3</b>	19.99 V	19.99 mA
<b>4</b>	199.9 V	199.9 mA
<b>X</b>	Option	Option

### Product Components

- Product (+ bracket, 10-pin Hirose connector)
- Instruction manual

### Specifications

Model	M4N-DV-□□	M4N-DA-□□	M4N-DI-□X
<b>Input type</b>	DC voltage	DC current	DC 4 - 20 mA
<b>Max. allowable input</b>	≈ 150 % F.S. for each measured input range		
<b>Display method</b>	7-segment (red) LED (character height: 10 mm)		
<b>Display accuracy</b>	0.2 % F.S. rdg ± 1-digit		
<b>Sampling time</b>	2.5 times / sec		
<b>Display scale</b>	-1999 (4-digit)		
<b>Operation method</b>	Dual integral method		
<b>Sampling cycle</b>	300 ms		
<b>Response speed</b>	≈ 2 sec (0 to 1999)		
<b>Unit weight</b>	≈ 44 g		
<b>Approval</b>	ERC		

<b>Power supply</b>	5 VDC≐ ± 10 % / 12 - 24 VDC≐ ± 10 % model
<b>Power consumption</b>	2 W
<b>Insulation resistance</b>	≥ 100 MΩ (500 VDC≐ megger)
<b>Dielectric strength</b>	2,000 VAC~ 50 / 60 Hz for 1 min
<b>Noise immunity</b>	± 100 V square wave noise (pulse width: 1 μs) by the noise simulator
<b>Vibration</b>	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 1 hours
<b>Vibration (malfunction)</b>	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 10 min
<b>Shock</b>	300 m/s <sup>2</sup> (≈ 30 G) in each X, Y, Z direction for 3 times
<b>Shock (malfunction)</b>	100 m/s <sup>2</sup> (≈ 10 G) in each X, Y, Z direction for 3 times
<b>Ambient temperature</b>	-10 to 50 °C, storage: -20 to 60 °C (no freezing or condensation)
<b>Ambient humidity</b>	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)

### Dimensions

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

