

Panel Meters (Indicator)



M5W 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

- Max. display value: 19999
- Linear display based on input specification
- Display output values (0 - 10 VDC \rightleftharpoons) from power converters (options available for DC 4 - 20 mA, 1 - 5 VDC \rightleftharpoons)
- RMS or AVG value selection (AC voltage)
- 7-segment LED display
- DIN standard size models

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 5 W - ① - ②

① Input type

DV: DC voltage
 DA: DC current
 W: Power
 T: Rotation
 S: Speed
 DI: Scaling (DC 4 - 20 mA)

② Measurement input

Refer to measurement input specifications.

Measurement Input Specifications

Measurement input	Input type					
	DV	DA	W ⁰¹⁾	T ⁰²⁾	S ⁰²⁾	DI
No mark	-	-	-	-	-	19999
1	199.99 mVDC \rightleftharpoons	199.99 μ A	199.99 W	19999 rpm 0 - 10 VDC \rightleftharpoons	19999 m / min 0 - 10 VDC \rightleftharpoons	-
2	1.9999 VDC \rightleftharpoons	1.9999 mA	1.9999 kW	-	-	-
3	19.999 VDC \rightleftharpoons	19.999 mA	19.999 kW	-	-	-
4	199.99 VDC \rightleftharpoons	199.99 mA	199.99 kW	-	-	-
5	300.0 VDC \rightleftharpoons	1.9999 A	1999.9 kW	-	-	-
6	-	19.999 A	-	-	-	-
7	-	199.99 A	-	-	-	-
8	-	1999.9 A	-	-	-	-
DX	-	-	-	DC input Option		-
XX	Option	Option	Option	-	-	Option

01) This specification is based on the transducer with 0 - 10 VDC \rightleftharpoons output.
 When the output of transducer is DC 4 - 20 mA or 1 - 5 VDC \rightleftharpoons , use the scaling meter.
 02) This specification is based on the tacho generator with 0 - 10 VDC \rightleftharpoons or 0 - 10 VAC \sim output.

Product Components

- Product (+bracket)
- Instruction manual

Specifications

Input type	DC voltage	DC current	Power	Rotation, speed	Scaling
Max. allowable input	$\leq 300 \text{ VDC} \approx$ $\approx 150 \% \text{ F.S. for each measured input range}$	$\leq \text{DC } 2 \text{ A}$	$\leq 10 \text{ WDC} \approx$	$\leq 10 \text{ VDC} \approx$	DC 4 - 20 mA
Display method	7-segment (red) LED (character height: 14 mm)				
Display accuracy	$\pm 0.2 \% \text{ F.S. rdg} \pm 1\text{-digit}$				
Display scale	19999				
Sampling time	2.5 times / sec				
Response speed	$\approx 2 \text{ sec (0 to 19999)}$				
Sampling cycle	300 ms				
Operation method	Dual integral method				
Unit weight	$\approx 172 \text{ g}$				
Approval	ERC				
Power supply ⁰¹⁾	100 - 240 VAC $\sim \pm 10 \% 50 / 60 \text{ Hz}$				
Power consumption	2 W				
Insulation resistance	$\geq 100 \text{ M}\Omega$ (500 VDC \approx megger)				
Dielectric strength	2,000 VAC $\sim 50 / 60 \text{ Hz}$ for 1 min				
Noise immunity	± 1 the square wave noise (pulse width: 1 μs) 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^2 ($\approx 30 \text{ G}$) in each X, Y, Z direction for 3 times				
Shock (malfunction)	100 m/s^2 ($\approx 10 \text{ G}$) in each X, Y, Z direction for 3 times				
Ambient temperature	0 to 50 °C, storage: -25 to 65 °C (no freezing or condensation)				
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)				

01) Power supply 24 - 70 VDC \approx option is also available to order.

Dimensions

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

