

Loop-Power Panel Meters (Indicator)



M4NS, M4YS 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

- Loop-powered: power supplied by loop current
- Measured input: DC 4 - 20 mA
- Display range: -1999 to 9999
- High / low-limit display scale function
- Decimal point setting function
- Input high / low-value correction function
- Display peak value monitoring function
- Set peak value monitoring delay time
- Display cycle time setting (0.5 / 1 / 2 / 3 / 4 / 5 seconds)
- Error display function
 - M4NS: DIN W 48 × H 24 mm
 - M4YS: DIN W 72 × H 36 mm

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 ① S - N A

① Size

N: DIN W 48 × H 24 mm

Y: DIN W 72 × H 36 mm

Product Components

Model	M4NS-NA	M4YS-NA
Product components	Product, instruction manual	
Bracket	× 1	× 2

Specifications

Model	M4NS-NA	M4YS-NA
Input type	DC 4 - 20 mA	
Impedance between input lines ⁰¹⁾	≤ 600 Ω	
Display method	7-segment (red) LED (character height: 10 mm)	7-segment (red) LED (character height: 14 mm)
Display accuracy	Dependent on the ambient temperature	
25 ± 5 °C	0.3 % F.S. rdg ± 1-digit	
-10 to 50 °C	0.4 % F.S. rdg ± 1-digit	
Display scale	-1999 to 9999 (4-digit)	
Display cycle	0.5, 1, 2, 3, 4, 5 sec	
Resolution	1 / 12,000	
Unit weight	≈ 44 g	≈ 110 g
Approval	ERC	

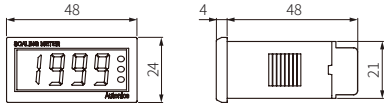
01) Based on input power 24 VDC≡

Power supply	Loop powered type
Insulation resistance	≥ 100 MΩ (500 VDC≡ megger)
Dielectric strength	2,000 VAC~ 50 / 60 Hz for 1 min
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 (≈ 30 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s ² (≈ 10 G) in each X, Y, Z direction for 3 times
Ambient temperature	-10 to 50 °C, storage: -25 to 60 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)

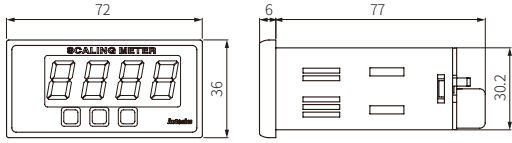
Dimensions

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

• M4NS-NA

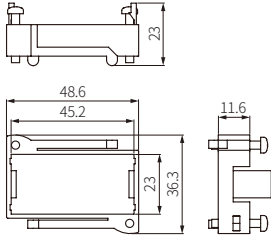


• M4YS-NA

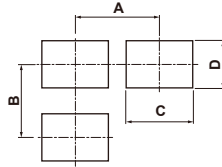


■ Bracket

• M4NS-NA



■ Panel cut-out



	A	B	C	D
M4NS-NA	≥ 60	≥ 37	$45^{+0.5}$	$22.2^{+0.3}$
M4YS-NA	≥ 91	≥ 40	$68^{+0.7}$	$31.5^{+0.5}$

• M4YS-NA

