

PROCESS MONITOR

AS-203A

*Miniature Size



■ DC Voltage Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AS-203A-11	±199.9mV	Offset ±1000	100MΩ	±100V
AS-203A-12	±1.999V		100MΩ	±250V
AS-203A-13	±19.99V	Fullscale ±100~1999	10MΩ	±250V
AS-203A-14	±199.9V		10MΩ	±500V

Accuracy: 0.1% rdg. ±2 digits (23°C ±5°C)

■ DC Current Measurement

Model	Range	Display Adjustable	Internal Resistance	Input Protection
AS-203A-21	±199.9μA	Offset ±1000	1kΩ	±10mA
AS-203A-22	±1.999mA		100Ω	±50mA
AS-203A-23	±19.99mA	Fullscale ±100~1999	10Ω	±150mA
AS-203A-24	±199.9mA		1Ω	±500mA
AS-203A-25	±1.999A		0.1Ω	±3A

Accuracy: ±0.2% rdg. ±2 digits (23°C ±5°C)
±0.3% rdg. ±1 digit only for AS-203A-25

■ 1~5V Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AS-203A-1V	1~5V	Offset ±1000 Fullscale 100~1999	1MΩ	±250V

Accuracy: ±0.1% rdg. ±2 digits (23°C ±5°C)

■ 4~20mA Measurement

Model	Range	Display Adjustable	Internal Resistance	Input Protection
AS-203A-2A	4~20mA	Offset ±1000 Fullscale 100~1999	51Ω	±70mA

Accuracy: ±0.1% rdg. ±2 digits (23°C ±5°C)

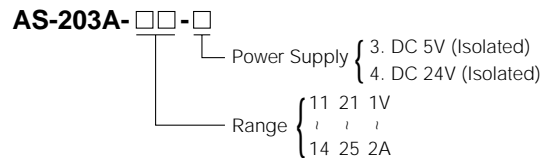
■ Specifications

Input Configuration: Single Ended
Input Bias Current: 2nA (Typ.)
Conversion Rate: 2.5/sec
Normal Mode Rejection: 40dB (Typ.) (50/60Hz)
Temperature Coefficient: Offset Typ. ±0.1, Max. ±0.3 digit/°C
 Fullscale Typ. ±0.1, Max. ±0.3 digit/°C
Display: LED, 8mm 3 1/2 digits
Polarity: A "-" is displayed automatically
Decimal Point: Settable to any digit position
Overrange Indication: When input exceeds the maximum display, 1999 flashes
Fullscale Adjustment: 100~1999
Offset Adjustment: ±1000
Span: 2000 counts
Power Supply: DC5V ±5%, 90mA (Typ.)
 DC24V ±20%, 20mA
Operating Temperature: 0~50°C, 35 to 85%RH
Power Consumption: 450 mW at 5V, 480 mW at 24V
Dimensions: 24(H) × 48(W) × 73(D)mm DIN Size
Weight: Approx. 46g
Dielectric Strength: Between power supply (OV) terminal and input (Lo) terminal, DC500V
 Between input (Lo) terminal and mounting panel, AC1500V/1 min.
Insulation Resistance: DC500V 100MΩ at above terminals

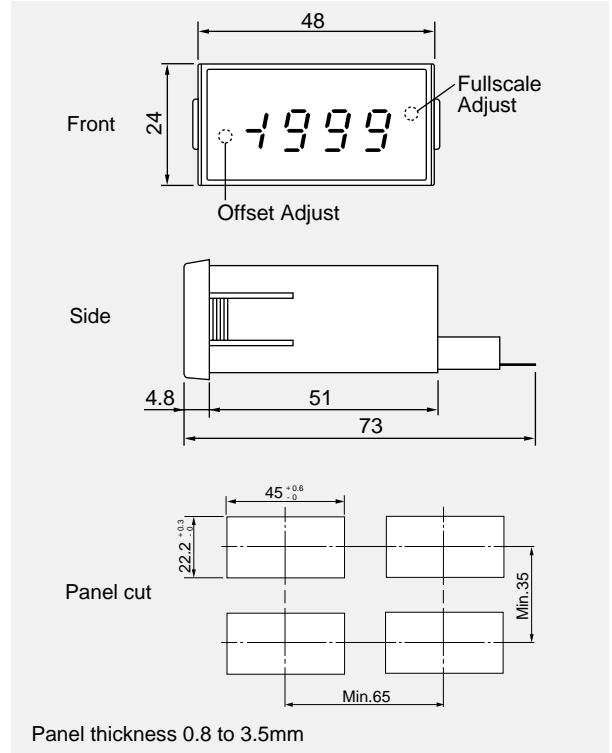
■ Features

- Easily adjustable offset-fullscale from the front panel (Span 2000 counts)
- Bright LED, 8mm (Red)
- DIN size 24(H) × 48(W)mm
- Power supply DC5V or DC24V (Isolated)
- 200mV~200V, 200μA~2A Measurement
- 1~5V, 4~20mA Measurement

■ Ordering Code



■ Dimensions



■ Connection Diagram

