

# PROCESS MONITOR

## AS-203A

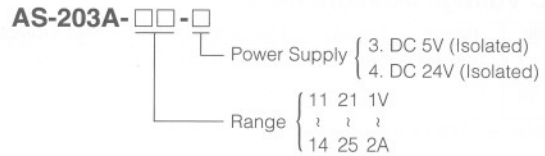
\*Miniature Size



### ■ 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



### ■ 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

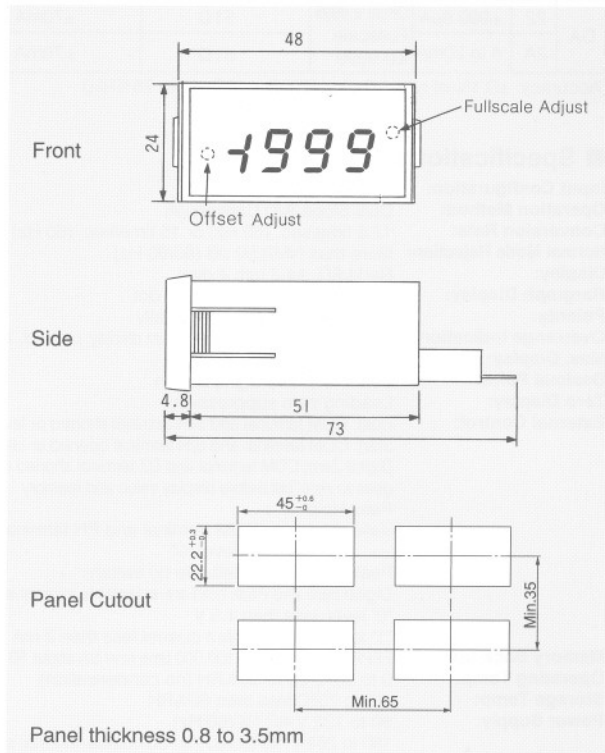
Model	Range	Display Adjustable	Internal Resistance	Input Protection
AS-203A-2A	4~20mA	Offset ±1000 Fullscale 100~1999	51Ω	±70mA

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

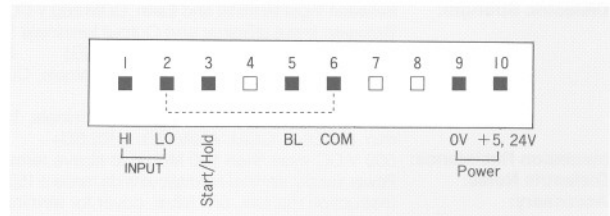
### ■ Specifications

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 (0V) terminal and input (Lo) terminal, DC500V Between input (Lo) terminal and mounting panel, AC1500V/1 min.
Insulation Resistance:	DC500V 100MΩ at above terminals

### ■ Dimensions



### ■ Connection Diagram



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