

SETPOINT COMPARATOR

AM-123

NEW



DC Voltage Measurement

Model	Range	Display	Input Impedance	Input Protection
AM-123-11	± 99.99mV	Offset ± 9999 Fullscale ± 9999	100MΩ	± 250V
AM-123-12	± 999.9mV		100MΩ	
AM-123-13	± 9.999V		1MΩ	
AM-123-14	± 99.99V		1MΩ	
AM-123-1V	1-5 V		1MΩ	

Accuracy: ±(0.3% of rdg + 2 digit) (23°C±5°C 35 to 85%RH)

DC Current Measurement

Model	Range	Display	Internal Resistance	Input Protection
AM-123-22	± 999.9μA	Offset ± 9999 Fullscale ± 9999	100Ω	± 50mA
AM-123-23	± 9.999mA		10Ω	± 150mA
AM-123-24	± 99.99mA		1Ω	± 500mA
AM-123-25	± 999.9mA		0.1Ω	± 3A
AM-123-2A	4-20mA		51Ω	± 70mA

Accuracy: ±(0.1% of rdg ± 2 digit) (23°C±5°C 35 to 85%RH)
±(0.3% of rdg ± 2 digit) for 25 range

Specifications

Input Configuration:	Single Ended
Conversion Rate:	12.5/sec(50Hz), 15/sec(60Hz)
Normal Mode Rejection:	NMR50dB or more(50/60Hz)
Display:	LED, main display 14.2mm sub display 8mm
Polarity:	A "-" is displayed automatically
Overrange Indication:	When input exceeds the maximum display, display OL or -OL
Maximum Display:	±9999
Decimal Point:	Settable to any digit position
Zero Display:	Leading zero suppression
External Control:	Hold, Start, Digital Zero, Peak, Peak-valley, Valley
Memory Backup:	EEPROM
Operating Temperature:	0~50°C, 35 to 85%RH
Power Supply:	AC90~264V(50/60Hz)
Power Consumption:	4VA(TYP)(At AC100V)
Dimensions:	48(H) × 96(W) × 98(D)mm DIN size
Weight:	Approx 280g
Dielectric Strength:	Between input/compare output DC500V/1 min Between power supply and input, case, compare output AC2100V/1 min
Insulation Resistance:	DC500V 100MΩ or more at above terminals
Dielectric Noise:	Power supply normal/common mode ±1500V
Accessories:	Instruction manual, unit label, terminal cover
Compare Control System:	Microcomputer
Setting Range:	-9999~0~+9999
Comparative Condition:	High setpoint < Indication → HI High setpoint > Indication > Low setpoint → GO Low setpoint > Indication → LO
Relay Contact Capacity:	AC125V 0.5A Resistive load DC28V 1A Resistive load
Photocoupler Capacity:	Voltage MAX. 30V Current MAX. 50mA Saturation voltage less than 1, 2V at 50mA
Hysteresis:	1 to 999 digit at each setpoints

Features

- Three colour display(red, green, amber)
- Two-setpoint(Hi & Lo)
- Digital Zero, Peak Hold(option)

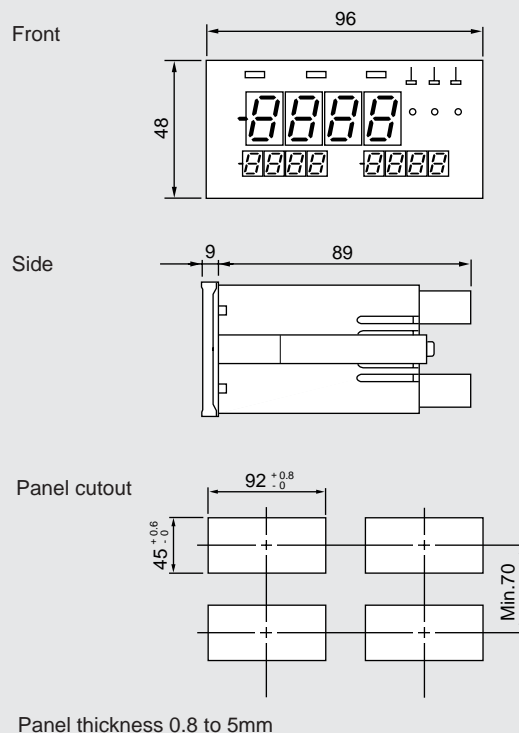
Ordering Code

AM-123-□□-1□

Comparator output { 1. Relay
2. Photocoupler

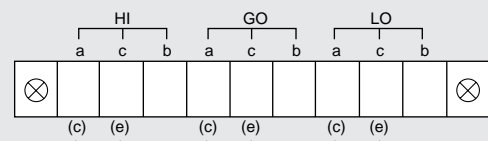
Range

Dimensions



Connection Diagram

Upper terminal



(X) : PHOTO COUPLER

Lower terminal

