

SETPOINT COMPARATOR

AMH-133

*Conversion Rate 100 times/sec



DC Voltage Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AMH-133-12	±999.9mV	Offset±9999 Fullscale 0~±9999	100MΩ	±250V
AMH-133-13	±9.999V	Offset±9999 Fullscale 0~±9999	1MΩ	±250V

Accuracy: ±0.03% rdg±3 digits(23°C±5°C)

1-5V Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AMH-133-1V	1-5V	Offset±9999 Fullscale 0~±9999	1MΩ	±250V

Accuracy: ±0.03% rdg±3 digits(23°C±5°C)

4-20mA Measurement

Model	Range	Display Adjustable	Internal Resistance	Input Protection
AMH-133-2A	4-20mA	Offset±9999 Fullscale 0~±9999	50Ω	±70mA

Accuracy: ±0.1% rdg±3 digits(23°C±5°C)

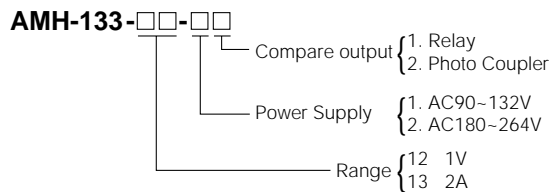
Specifications

Input Configuration: Single Ended
 Input Bias Current: 2nA(typ.)
 Conversion rate: 100/sec.
 Display: LED, 100mm(Red)
 Display Speed: 12.5/sec
 Polarity: A "-" is displayed automatically
 Overrange Indication: When input exceeds the maximum display, 0.L or -0.L
 Decimal Point: Settable to any digit position
 Zero Display: Leading zero suppression
 External Control: Hold/Start
 Digital Zero(D.Z)
 Reset(R.RE)
 Peak Hold(PH)
 Valley Hold(VH)
 Peak-Valley Hold(PVH)
 Control System: Microcomputer
 Setting Range: -9999 to 0 to +9999
 Comparative Condition: Indication > High set point → HI
 High set point ≥ Indication ≥ Low set point → GO
 Indication < Low set point → LO
 Relay Contact Capacity: AC250V 0.1A Resistive load
 AC120V 0.5A Resistive load
 DC28V 1A Resistive load
 Photo Coupler output: Applied Voltage 30V Max
 Current 20mA Max.
 Saturated output voltage less than 1.2V at 20mA
 Operating Temp.: 0-50°C 35 to 85% RH
 Power Supply: 90 to 132V AC
 180 to 264V AC
 Power Consumption: 2.5VA Typ.
 Dimensions: 48(H) × 96(W) × 95(D)mm DIN size
 Weight: 350g
 Dielectric Strength: Between input(LO)and earth, 500VDC
 Between power supply terminal and input terminal, earth, COM, case, relay output 1500VAC/min.
 Insulation Resistance: 500VDC 100MΩ or more at above terminals

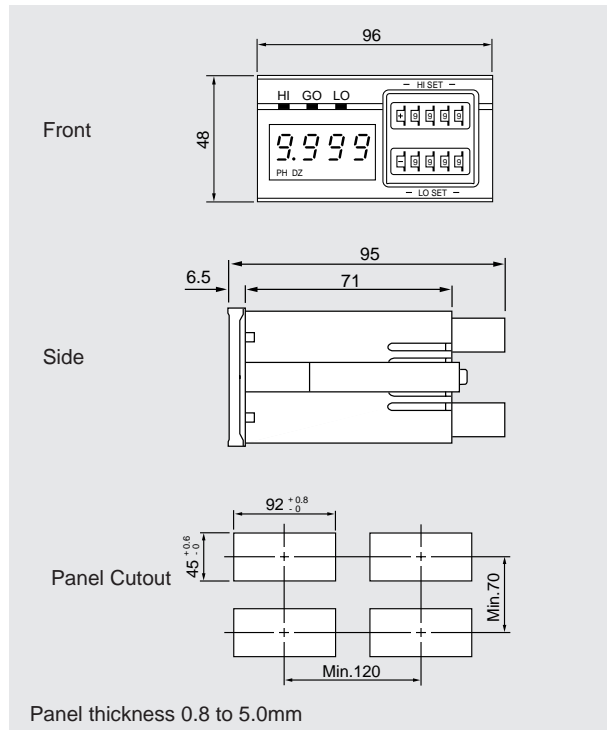
Features

- Conversion Rate 100/sec
- Digital Zero(Optional)
- Offset Adjustment ±9999
- Full scale Adjustment ±9999
- Peak, Valley, Peak-Valley Hold(Optional)
- Bright LED 10mm(Red)

Ordering Code



Dimensions



Connection Diagram

