

SETPOINT COMPARATOR

AMH-133

Topac Inc. □

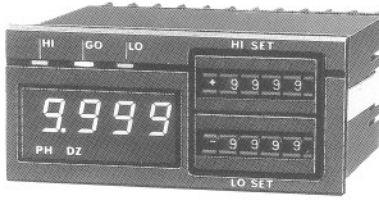
101 Derby St. Suite 203 □

Hingham Ma 02043 □

Tel: 781 740 8778 Fax: 781 740 8779 □

www.topac.com/DPM.html

* Conversion Rate 100 times/sec

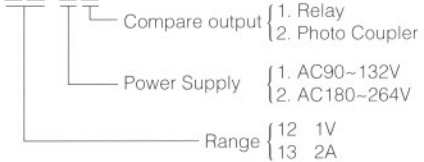


■ Features

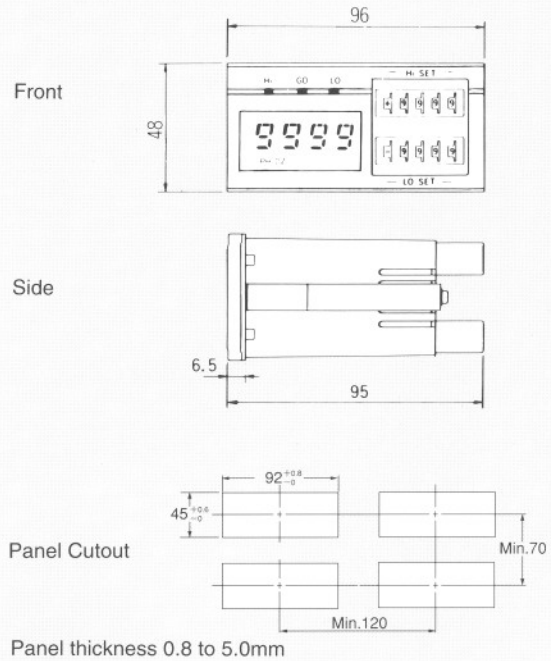
- Conversion Rate 100/sec
- Digital Zero (Option)
- Offset Adjustment ± 9999
- Full scale Adjustment ± 9999
- Peak, Valley, Peak-Valley Hold (Option)
- Bright LED 10mm (Red)

■ Ordering Code

AMH-133-□□-□□

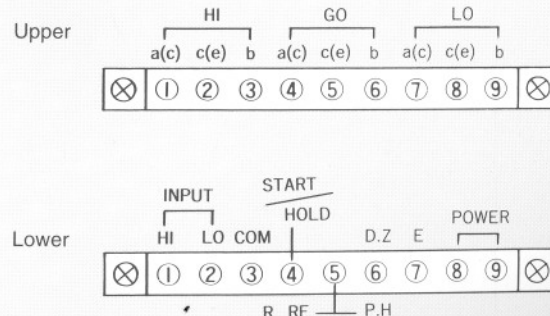


■ Dimensions



■ Connection Diagram

() : PHOTO COUPLER



■ DC Voltage Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AMH-133-12	$\pm 999.9\text{mV}$	Offset ± 9999 Fullscale	$100\text{M}\Omega$	$\pm 250\text{V}$
AMH-133-13	$\pm 9.999\text{V}$	0 - ± 9999	$1\text{M}\Omega$	$\pm 250\text{V}$

Accuracy: $\pm 0.03\%$ rdg ± 3 digits ($23^\circ\text{C} \pm 5^\circ\text{C}$)

■ 1-5V Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AMH-133-1V	1-5V	Offset ± 9999 Fullscale 0 - ± 9999	$1\text{M}\Omega$	$\pm 250\text{V}$

Accuracy: $\pm 0.03\%$ rdg ± 3 digits ($23^\circ\text{C} \pm 5^\circ\text{C}$)

■ 4-20mA Measurement

Model	Range	Display Adjustable	Internal Resistance	Input Protection
AMH-133-2A	4-20mA	Offset ± 9999 Fullscale 0 - ± 9999	50Ω	$\pm 70\text{mA}$

Accuracy: $\pm 0.1\%$ rdg ± 3 digits ($23^\circ\text{C} \pm 5^\circ\text{C}$)

■ Specifications

Input Configuration: Single Ended
 Input Bias Current: 2nA (typ.)
 Conversion rate: 100/sec.
 Display: LED, 10mm (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 \rightarrow HI
 High set point \geq Indication \geq Low set point \rightarrow GO
 Indication $<$ Low set point \rightarrow 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.: $0-50^\circ\text{C}$ 35 to 85% RH
 Power Supply: 90 to 132V AC
 180 to 264V AC
 Power Consumption: 2.5VA Typ.
 Dimensions: 48(H) \times 96(W) \times 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 $100\text{M}\Omega$ or more at above terminals