

SETPOINT COMPARATOR

AM-749

■ Optional specifications

•BCD output [Isolated from input(LO)]

Measured date: Negative logic
NPN open-collector output

Polarity signal: Transistor "ON" at minus input

OVER signal: Transistor "ON" at "OVER" input

Printing command signal: Transistor "ON" for approx. 10ms at the end of measurement

ENABLE: All date output transistors are turned "OFF" when ENABLE and digital common terminals are shorted or input level is set at "0".
"0" level: Less than 1.5V
"1" level: 3 to 30V
Input current: Less than -5mA

Transistor output capacity: Applied voltage, 30V max. Current, 10mA max.
Output saturation voltage: Less than 1.2V at 10mA
*TTL output is also available.

•RS-232C [Isolated from input(LO)]

Electrical characteristics: Conforming to EIA RS-232C

Communication method: Full duplex

Synchronous method: Start and stop

Transmission speed: 2400/4800/9600/19200 bps

Start bit: 1 bit

Data length: 7 bits

Error detection: Even parity

Stop bit: 2 bits

Character code: ASC II

Transmission control: No protocol

•RS-485 [Isolated from input(LO)]

Electrical characteristics: Conforming to EIA RS-485

Synchronous method: Start and stop

Communication method: 2-wire system half-duplex (Polling and selecting)

Transmission speed: 2400/4800/9600/19200 bps

Start bit: 1 bit

Date length: 7 bits

Error detection: Even parity
BCC(Block check character)check sum

Stop bit: 2 bits

Character code: ASC II

Transmission control: No protocol

Signal name used:

Signal name	Signal	Signal direction
Non-reversible output	+	Input/output
Reversible output	-	Input/output

No. of connectable meters: Up to 31 meters
Line length: Up to 500m in total

•Analog output [Isolated from input(LO)]

Any display range to output analog signal can be set.

Resolution: 16 bits

Output response: Less 0.5s

Output	Resistive load	Accuracy (23°C ±5°C)	Ripple
1 to 5V	More than 10kΩ	±0.5% F.S	50mVp-p
4 to 20mA	0 to 600Ω	±0.5% F.S	-

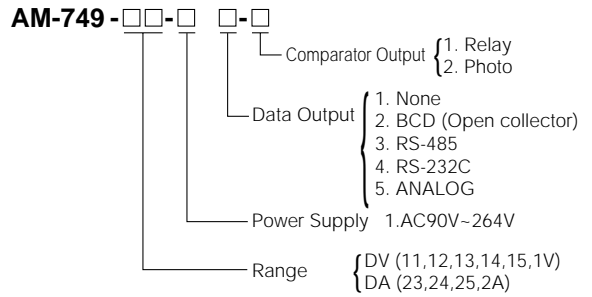
Moving average: Digital filter function

Fixed zero: 10⁹ -digit is fixed to "0" for display

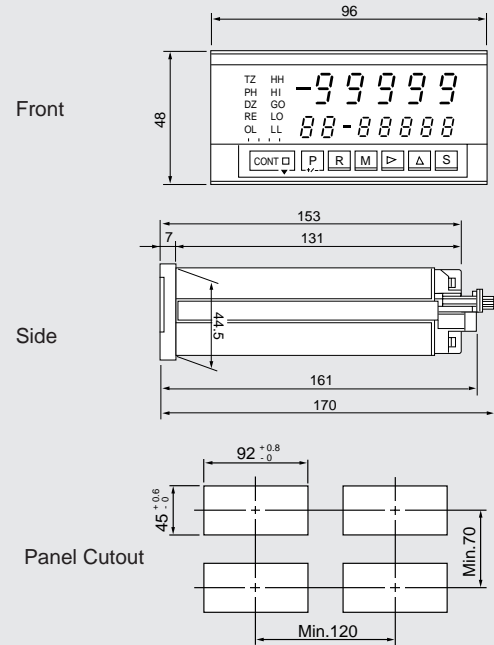
Display blanking: Blanking of LEDs on main, monitor/sub-display units.

Tracking zero: (Only for RS-232C and RS-485 meters)
Zero-point shift is digitally, automatically corrected. Activated when digital zero function becomes valid.

■ Ordering Code

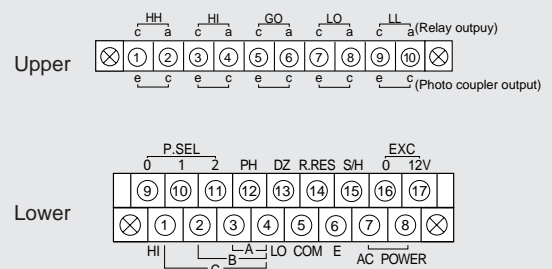


■ Dimensions



Panel thickness 0.8 to 5.0mm

■ Connection Diagram



■ Connection Diagram

