

DC VOLTMETER & AMMETER

AP-202A

* ISOLATED Power Supply



■ DC Voltage Measurement

Model	Range	Maximum Resolution	Input Impedance	Input Protection
AP-202A-11	$\pm 199.9\text{mV}$	$100\text{ }\mu\text{V}$	100M	$\pm 100\text{V}$
AP-202A-12	$\pm 1.999\text{V}$	1mV	100M	$\pm 100\text{V}$
AP-202A-13	$\pm 19.99\text{V}$	10mV	10M	$\pm 250\text{V}$
AP-202A-14	$\pm 199.9\text{V}$	100mV	10M	$\pm 500\text{V}$

Accuracy: $\pm 0.1\%$ rdg. ± 1 digit ($23^\circ\text{C} \pm 5^\circ\text{C}$)

■ DC Current Measurement

Model	Range	Maximum Resolution	Input Resistance	Input Protection
AP-202A-21	$\pm 199.9\text{ }\mu\text{A}$	100nA	1k	$\pm 10\text{mA}$
AP-202A-22	$\pm 1.999\text{mA}$	1 μA	100	$\pm 50\text{mA}$
AP-202A-23	$\pm 19.99\text{mA}$	10 μA	10	$\pm 150\text{mA}$
AP-202A-24	$\pm 199.9\text{mA}$	100 μA	*1	$\pm 500\text{mA}$
AP-202A-25	$\pm 1.999\text{A}$	1mA	*0.1	$\pm 3\text{A}$

Accuracy: $\pm 0.2\%$ rdg. ± 1 digit ($23^\circ\text{C} \pm 5^\circ\text{C}$)
 $\pm 0.3\%$ rdg. ± 1 digit only for AP-202A-25

* These resistors are connected to the outside of the unit.

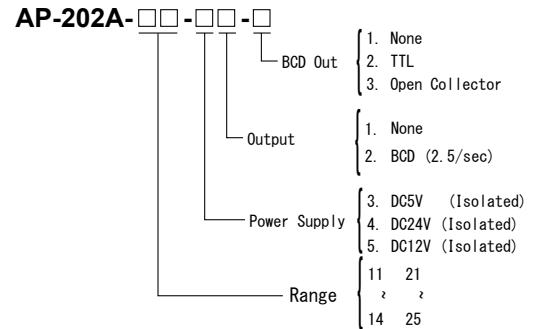
■ Specifications

Input Configuration: Single Ended
Input Bias Current: 50pA (Typ.)
Conversion Rate: 2.5/sec
Normal Mode Rejection: 40dB (Typ.) (50/60Hz)
Zero Stability: Automatic Zero Adjustment
Display: LED, 10.2mm 3 1/2-digit
Polarity: A "-" is displayed automatically
Decimal Point: Settable to any digit position
Overrange Indication: When input exceeds the maximum display, 1999 flashes.
Power Supply: DC5V $\pm 5\%$, 120mA
DC12V $\pm 20\%$, 50mA
DC24V $\pm 20\%$, 25mA
Operating Temperature: 0°C to 50°C , 35 to 85%RH
Power Consumption: 650 mW
Dimensions: 24(H) $\cdot$ 48(W) $\cdot$ 73(D)mm DIN Size
Weight: Approx. 50g
Dielectric Strength: Between Input (Lo) terminal and power supply (0V), DC $\pm 500\text{V}$
Between power supply terminal and case, AC1500V/1 min.
Insulation Resistance: DC500V 100M at above terminals

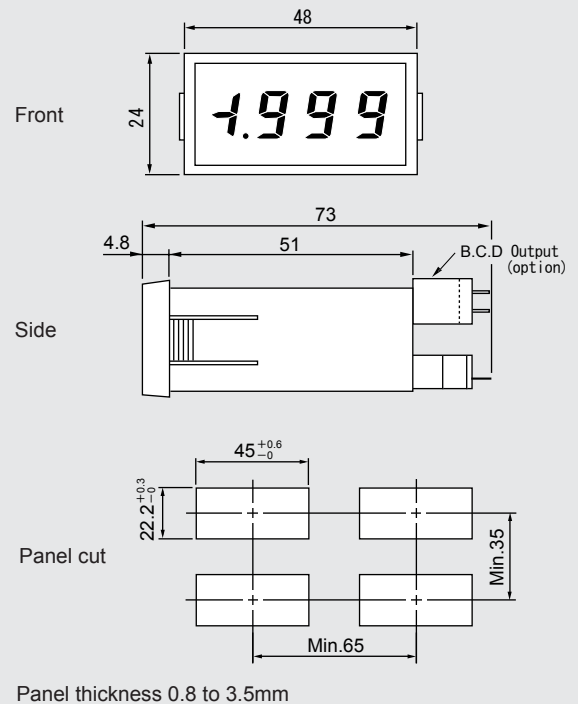
■ Features

- BCD (option)
- DC5V, DC12V, DC24V (Isolated)
- Bright LED 10.2mm (Red)
- Conversion Rate 2.5/sec
- 200mV~200V, 200 μA ~2A Measurement

■ Ordering Code



■ Dimensions



■ Connection Diagram

