

DC VOLTMETER & AMMETER

AP-101

*Standard 3 1/2 Digit



■ Features

- Low Cost
- Bright LED 14.2mm (Red)
- AC180~264V, 90~132V, DC5V, DC24V
- 200mV~200V, 200μA~2A Measurement
- ±800V Measurement (option)

■ DC Voltage Measurement

Model	Range	Maximum Resolution	Input Impedance	Input Protection
AP-101-11	±199.9mV	100 μV	100M	±250V
AP-101-12	±1.999 V	1mV	100M	±250V
AP-101-13	±19.99 V	10mV	10M	±250V
AP-101-14	±199.9 V	100mV	10M	±500V

Accuracy: ±0.1% rdg. ±1 digit (23° C±5° C)

■ DC Current Measurement

Model	Range	Maximum Resolution	Internal Resistance	Input Protection
AP-101-21	±199.9 μA	100nA	1k	±10mA
AP-101-22	±1.999mA	1 μA	100	±50mA
AP-101-23	±19.99mA	10 μA	10	±150mA
AP-101-24	±199.9mA	100 μA	1	±500mA
AP-101-25	±1.999A	1mA	0.1	±3A

Accuracy: ±0.2% rdg. ±1 digit (23° C±5° C)
±0.3% rdg. ±1 digit only for AP-101-25

■ Specifications

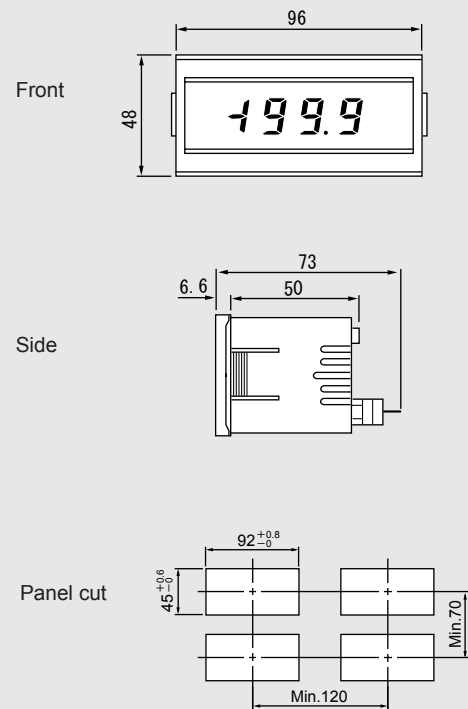
Input Configuration: Single Ended
 Input Bias Current: 50pA (Typ.)
 Conversion Rate: 2.5/sec
 Normal Mode Rejection: TYP. 40dB (50/60Hz)
 Zero Stability: Automatic Zero Adjustment
 Display: LED, 14.2mm 3 1/2-digit
 Polarity: A “-” is displayed automatically
 Decimal Point: Settable to any digit position
 Overrange Indication: When input exceeds the maximum display, 1999 flashes.
 Power Supply: AC90~132V
 AC180~264V
 DC5V±5%, 100mA (Max.)
 DC24V±20%, 30mA (Max.)
 Operating Temperature: 0~50° C, 35 to 85% RH
 Power Consumption: 1.5VA
 Dimensions: 48 (H) · 96 (W) · 73 (D)mm DIN Size
 Weight: Approx. 150g (For AC), 85g (For DC)
 Dielectric Strength: AC type: Between input (Lo) terminal and earth, DC500V
 Between power supply terminal and input terminal, earth, common, case, AC1500V/1 min.
 DC type: Between input (Lo) and power supply (0V), DC±500V
 Insulation Resistance: DC500V 100M at above terminals
 Conformed EN standard: EN61326-1, EN61010, EN IEC 63000

■ Ordering Code

AP-101-□□-□□
 Power Supply
 Range

1. AC90~132V
 2. AC180~264V
 3. DC5V (Isolated)
 4. DC24V (Isolated)
 11 21
 14 25
 15 ±800V (Option)

■ Dimensions



■ Connection Diagram

