

DC VOLTMETER & AMMETER

AP-502

✳ ISOLATED Power Supply



DC Voltage Measurement

Model	Range	Maximum Resolution	Input Impedance	Input Protection
AP-502-11	±199.9mV	100 μV	100M	±250V
AP-502-12	±1.999V	1mV	100M	±250V
AP-502-13	±19.99V	10mV	10M	±250V
AP-502-14	±199.9V	100mV	10M	±500V

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

DC Current Measurement

Model	Range	Maximum Resolution	Input Resistance	Input Protection
AP-502-21	±199.9μA	100nA	1K	±10mA
AP-502-22	±1.999mA	1μA	100	±50mA
AP-502-23	±19.99mA	10μA	10	±150mA
AP-502-24	±199.9mA	100μA	1	±500mA
AP-502-25	±1.999A	1mA	0.1	±3A

Accuracy: ±0.2% rdg. ±1 digit (23±5°C)
±0.3% rdg. ±1 digit only for AP-502-25

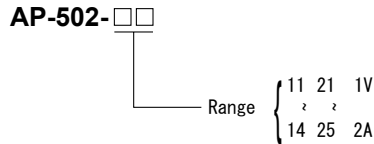
Specifications

Input configuration: Single Ended
 Input Bias Current: 50pA (Typ.)
 Conversion Rate: 2.5/sec
 Normal Mode Rejection: More than 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: DC5V ±5%, 120mA (Max.)
 Operating Temperature: 0~50°C, 35 to 85%RH
 Power Consumption: Approx. 120mA
 Dimensions: 48 (H) × 96 (W) × 32 (D)mm DIN Size
 Weight: Approx. 60g
 Dielectric Strength: Between input (Lo) terminal and power supply (OV), DC500V.
 Between input (Lo) terminal and mounted plate. AC1500V/1 min.
 Insulation Resistance: DC500V 100M at above terminals

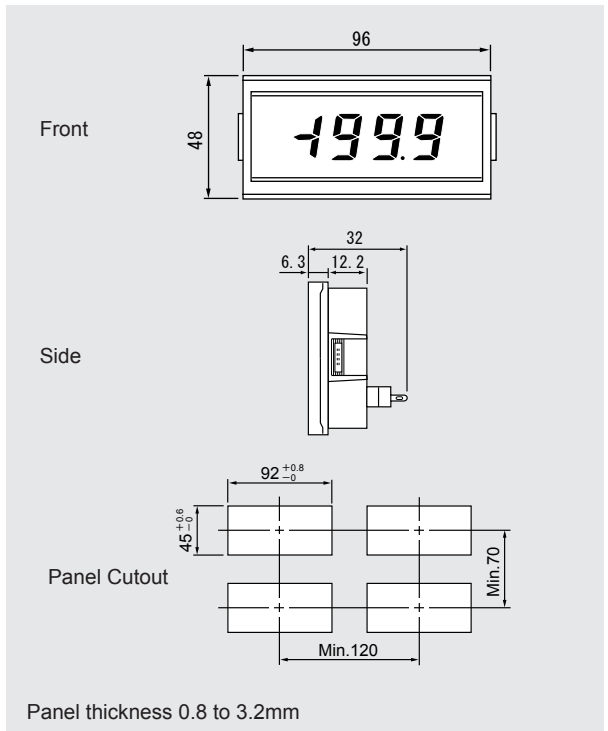
Features

- Low Cost
- Bright LED 14.2mm (Red)
- Serial Data Output
- Thin Case (Depth 32mm)
- DC5V (Isolated)
- 200mV~200V, 200μA~2A Measurement

Ordering Code



Dimensions



Connection Diagram

