

DC VOLTMETER & AMMETER

AP-502

*ISOLATED Power Supply



■ DC Voltage Measurement

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

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

■ DC Current Measurement

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

Accuracy: ±0.2% rdg ±1 digit(23°C±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(0V), DC500V. Between input(Lo)terminal and mounted plate. AC1500V/1 min.
Insulation Resistance:	DC500V 100MΩ at above terminals

■ Features

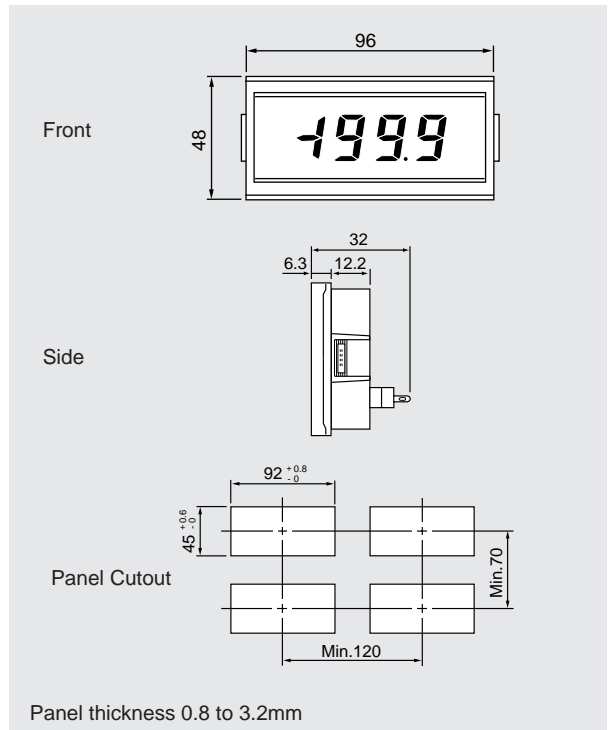
- Low Cost
- Bright LED 14.2mm(Red)
- Serial Data Output
- Thin Case(Depth 32mm)
- DC5V(Isolated)
- 200mV~200V, 200μA~2A Measurement

■ Ordering Code

AP-502-□□

Range { 11 21 1V
14 25 2A

■ Dimensions



■ Connection Diagram

