



Digital panel meters from Asahi Keiki offer impressive specifications, reliability and low cost for a variety of applications

AP501A

Features

- *Differential input (range 11 & 12)*
- *Thin Case 32mm depth*
- *Standard 3.5 digit*
- *Low Cost*
- *Bright 14.2 mm red LED*
- *DC 5V isolated power supply*
- *200mV - 200V*



Specifications

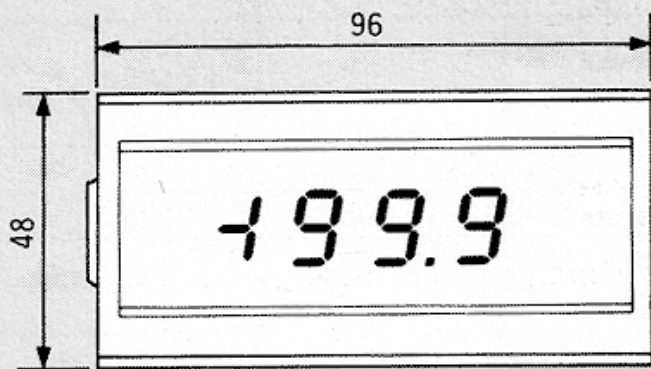
Input Configuration	range option - 11 Differential range option -12 Differential range option - 13 Single Ended range option - 14 Single Ended
Input Bias Current	50PA
Conversion Rate	2.5 /sec
Normal mode rejection	TYP 40dB (50/60Hz)
Zero Stability	Automatic Zero Adjustment
Display	LED 14.2mm 3 1/2 digit
Polarity	"-" automatic
Decimal point	Set to any position
Overrange indication	Displays 1 or - 1 of the msd for signal exceeding maximum display range.
Power Supply	DC 5V+/- 5% 120 mA max
Operation temperature	0~ 50 C, 35 - 85% RH
Power Consumption	120 mW
Dimension mm H x W x D	48 x 96 x 34.5 mm DIN size
Weight	Approx 50 gm
Dielectric Strength	input (Io) terminal and mounting plate AC 1500 Volts for 1 min.
Insulation Resistance	DC 500V 100 MOhm at above terminals

DC Voltage Measurement

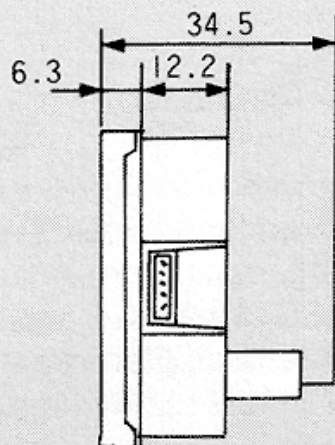
Model	Range	Maximum Resolution	Input Impedance	Input Protection
AP-501A-11	+/-199.9 mV	100 uV	100 MOhm	+/- 250 V
AP-501A-12	+/-1.999 V	1 mV	100 MOhm	+/- 250 V
AP-501A-13	+/-19.99 V	10 mV	10 MOhm	+/- 250 V
AP-501A-14	+/-199.9 V	100 mV	10 MOhm	+/- 500 V

■ Dimensions

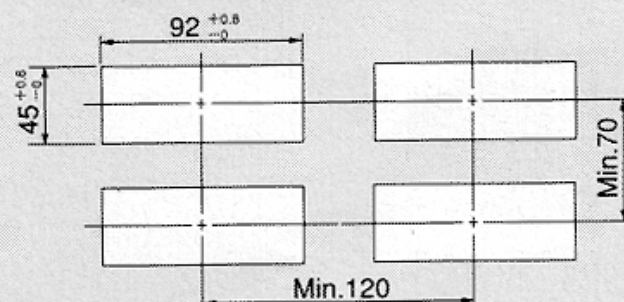
Front



Side



Panel Cutout



Panel thickness 0.8 to 3.2mm

■ Connection Diagram

When use single ended, connect terminal ② and ③
(COMMON and 0V Terminal is internally connected)

