

### \*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 | Internal 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

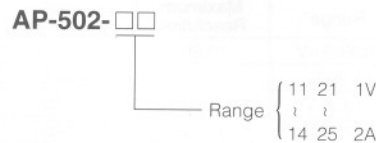
### ■ Specifications

- 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

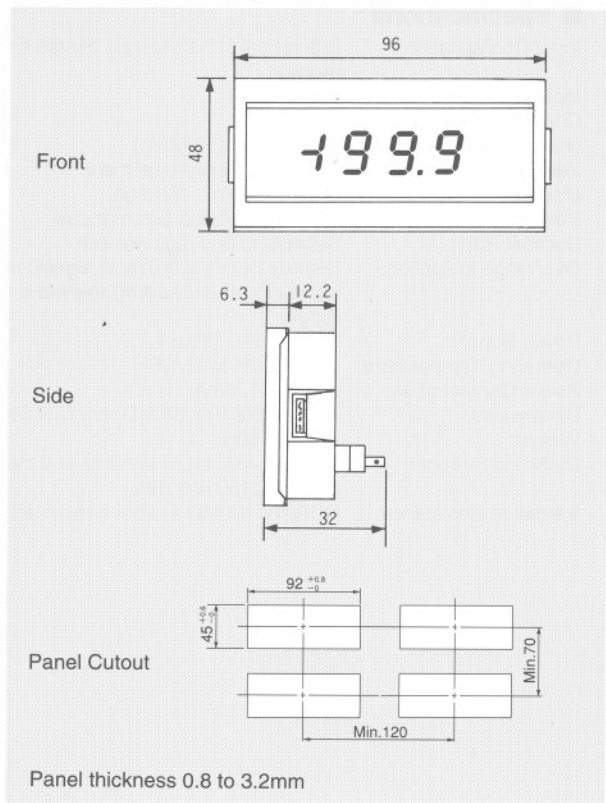
### ■ Features

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

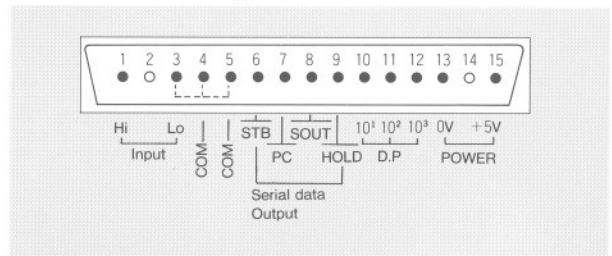
### ■ Ordering Code



### ■ Dimensions



### ■ Connection Diagram



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