



Features

- ★ Standard DIN size.
- ★ Slim design (snap-in installation).
- ★ Short depth 34.5mm

Ordering code

AP - 501B -   

| Code | Input range |
|------|-------------|
| 11   | ±199.9mV    |
| 12   | ±1.999V     |
| 13   | ±19.99V     |
| 14   | ±199.9V     |

Input Specifications

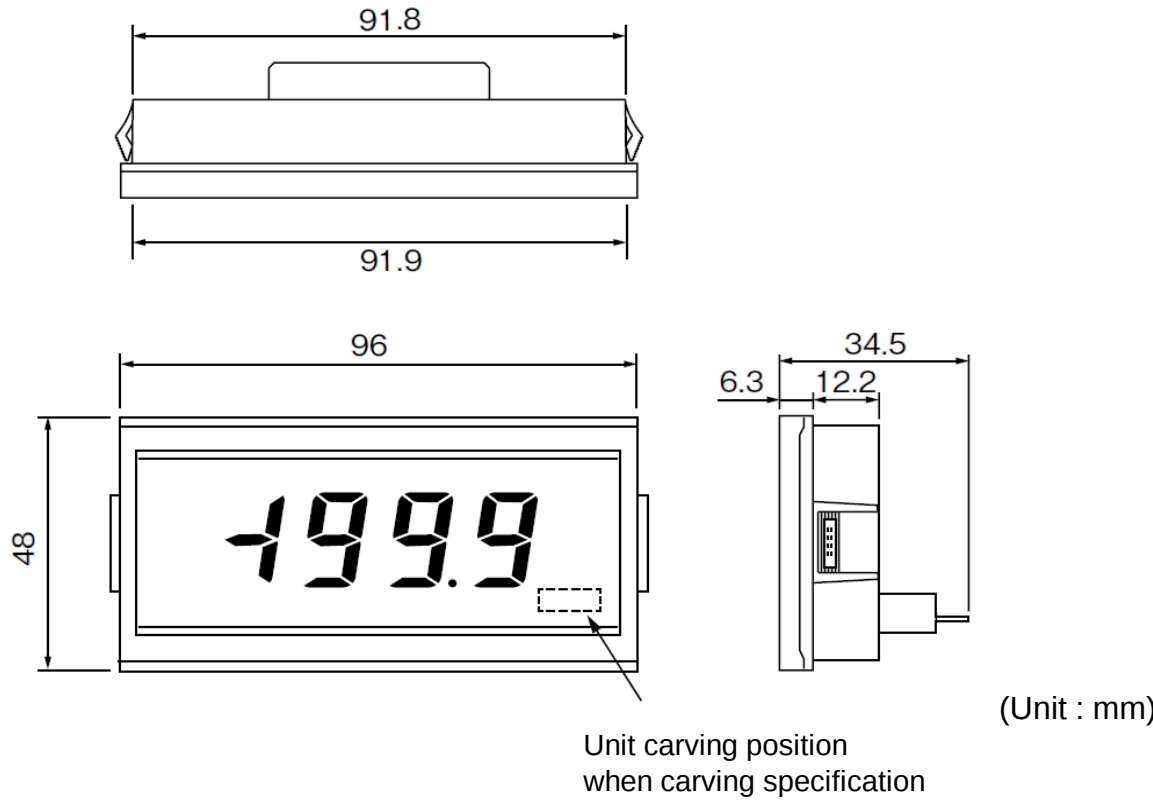
◆ DC voltage

| Model      | Measurement range | Resolution | Impedance | Max. allowable input | Accuracy                 |
|------------|-------------------|------------|-----------|----------------------|--------------------------|
| AP-502A-11 | ±199.9mV          | 100µV      | 100MΩ     | ±100V                | ±(0.1% reading +1 digit) |
| AP-502A-12 | ±1.999V           | 1mV        | 10MΩ      |                      |                          |
| AP-502A-13 | ±19.99V           | 10mV       |           | ±250V                |                          |
| AP-502A-14 | ±199.9V           | 100mV      |           | ±500V                |                          |

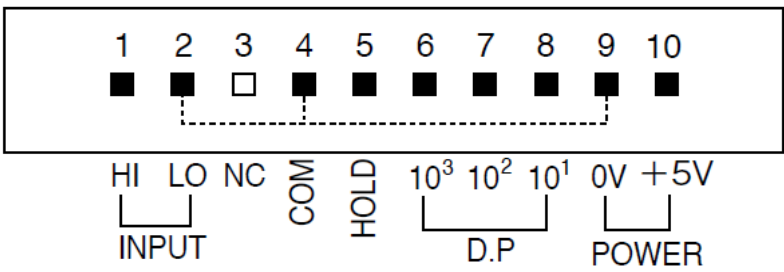
Specifications

|                                           |                                                                    |
|-------------------------------------------|--------------------------------------------------------------------|
| Display                                   | Red 7 segment LED (height 14.2mm)                                  |
| Polarity                                  | '-' is displayed at negative polarity                              |
| Display range                             | ±1999 (3 1/2 digits)                                               |
| Scaling function                          | None                                                               |
| Over range display                        | When input exceeds the max. display, 1999 or -1999 flashes         |
| Decimal point                             | Able to set to any digit (Switches by key switch)                  |
| Zero display                              | Leading zero suppression                                           |
| Operating temperature                     | 0 to 50°C                                                          |
| Operating relative humidity               | 35 to 85% (non-condensing)                                         |
| Power supply                              | 5Vdc ±5% (non-isolation)                                           |
| Power consumption                         | 100mA max.                                                         |
| Dimensions                                | 96mm(W) x 48mm(H) x 34.5mm(D)                                      |
| Weight                                    | Approx. 50g                                                        |
| Dielectric strength                       | 1500Vac per 1 min. : Between input terminal (LO) and mounted plate |
| Insulation resistance                     | 500Vdc, 100MΩ or more on the above terminals                       |
| Sampling rate                             | Approx. 400ms (2.5 times per second)                               |
| Built in excitation (Sensor power supply) | None                                                               |
| Standard accessory                        | Connectter                                                         |

Dimensions



Terminal Connections



| No. | Terminal name       | Remarks                          |
|-----|---------------------|----------------------------------|
| 1   | HI (+)              | Input terminal (+)               |
| 2   | HI (-)              | Input terminal (-)               |
| 3   | NC                  | No connection                    |
| 4   | COM                 | External control common terminal |
| 5   | HOLD                | Hold                             |
| 6   | D.P 10 <sup>3</sup> | Decimal point 10 <sup>3</sup>    |
| 7   | D.P 10 <sup>2</sup> | Decimal point 10 <sup>2</sup>    |
| 8   | D.P 10 <sup>1</sup> | Decimal point 10 <sup>1</sup>    |
| 9   | POWER (-)           | Power supply terminal (-)        |
| 10  | POWER (+)           | Power supply terminal (+)        |

\* Specification is subject to change without notice