

Voltage Sensor JHVS-1000

- Suitable to voltage monitor in real time for Electric Vehicle;
- Measurement range $\pm 1000V$;
- Isolation voltage $>1500V$;
- Non-Linearity $<0.1\%FS$;
- Response time $<25\mu s$;
- Anti-Shock $>100g$;
- Low power consumption design, easy to connect with Data Acquisition Devices;
- Dallas ID function is optional.



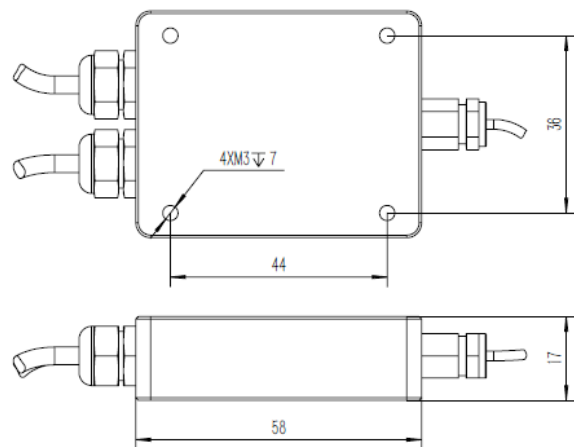
The JHVS-1000 includes a multi-step down circuit with a symmetrical structure of positive and negative voltage. The voltage isolation capacity is above 1500V. Due to many high precision and low temperature drift components used, this sensor has very low offset and good linearity. The high strength structure design leads to stable performance for shock test. JHVS-1000 can be widely used in various voltage detection of electric vehicle or hybrid vehicle, especially in dynamic voltage change monitoring during crash test. The cable and the connector with Dallas ID can be customized.

Specification(with 5V excitation, 25°C):

| Name | Unit | Value |
|--------------------|-------|------------|
| Test range | V | ± 1000 |
| Non-Linearity | %FS | <0.1 |
| Sensitivity | mV/V | 1.25 |
| Excitation Voltage | V | 5 |
| Offset | mV | <5 |
| Current | mA | <20 |
| Operational Temp. | °C | -10~60 |
| Anti-Shock | g | >100 |
| Insulation Res. | MΩ | >100 |
| Mounting | / | 4×M3 |
| Case material | / | Nylon |
| Mass | grams | 75 |
| Dimension | mm | 58×46×17 |

Note: Sensor Type is Active Sensor with 5V.
The cable length is 8m and no connector with Dallas ID as default.

Dimension:



Wires Define:

| | |
|--------|---------------------|
| Red | Excitation voltage+ |
| Black | Excitation voltage- |
| White | Signal+ |
| Green | Signal- |
| Shield | Connector Case |