

Voltage Sensor JHVST-1000

- Applied to Vb, V1 and V2 voltage measurement of Electric Vehicle;
- Measurement range $\pm 1000V$;
- Isolation voltage $>1500V$;
- Non-Linearity $<0.15\%FS$;
- Response time $<25\mu s$;
- Anti-Shock $>100g$.

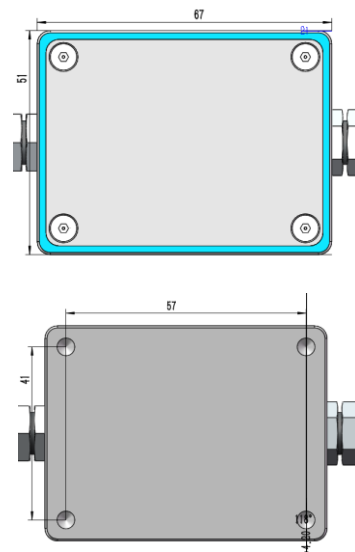


The high-voltage sensor is designed with a symmetrical step-down structure inside, adopts a high-precision multi-stage step-down circuit, and builds an isolation circuit capability of more than 1500V. It can be widely used in the implementation of the three voltage values (Vb, V1 and V2) of electric vehicles, especially the monitoring of dynamic voltage changes during the crash test. JHVST-1000 is equipped with highly insulated cables, and the interface form can be customized. The signal end is connected with the data acquisition equipment by wear-resistant cables, and the length can be customized.

Specification (5V, 25°C)

Name	Unit	Value
Range	V	± 1000
Non-Linearity	%FS	<0.15
Sensitivity	mV/V	1.25
Excitation	V	5
Offset	mV	<5
Consumption	mA	<20
Opera. Temp.	°C	-10~60
Anti-Shock	g	>100
Insulation Res.	MΩ	>100
Mounting	/	4 × M4
Material	/	Nylon
Mass	grams	105
Dimension	mm	67 × 51 × 24

Dimension:



Wires define:

Red	Excitation+
Black	Excitation-
White	Signal-
Green	Signal+
Shield	Connector case

Note: Sensor Type is Active Sensor with 5V excitation voltage;
 The cable length is 8m;
 The connector and ID can be required.