

Voltage Sensor JHVS-50

- Applied to any voltage monitoring;
- Measurement range $\pm 50V$ (default);
- Error $< 0.1\%FS$;
- Signal bandwidth $> 20kHz$;
- CE Compliance;
- 1500V Isolation and short circuit protection.



The voltage sensor JHVS-50 is used to realize the measurement of the battery voltage on the vehicle and real-time status monitoring during crash test of low-voltage electrical equipment. The sensor uses a very low-temperature drift and high precision circuit. The default range is $\pm 50V$, other ranges can be customized (less than 100V). The sensor has reliable short-circuit protection measures with small size and all isolation of power and signal.

Specification (5V, 25°C):

Name	Unit	Value
Range	V	± 50
Over range	V	± 80
Sensitivity	mV/V	25
Non-linearity	%	< 0.05
Hysteresis	%	< 0.03
offset	mV	$< \pm 5$
Response	μs	< 10
Power	5V (Active Sensor)	
Consumption	mA	< 40 is default < 20 is optional
Opera. Temp.	°C	-20~85
Store Temp.	°C	-40~90
Material	/	Al. Alloy
Weight	grams	12
Dimension	mm	$36 \times 16 \times 14$

Wire defines:

Signal side (connect to DAS):

Red	Power+
Black	Power-
Green	Signal+
White	Signal-

Measurement side (to test object)

Red	Object+
Black	Object-



Wire length default 8m.

The connector and ID as required.