Hydrogen Sensor H2-5C

- Suitable to hydrogen concentration measurement;
- Measurement precision 0.15%vol;
- T90 response time≤5sec;
- Easy mounting;
- Anti-Shock >100g, support HFCV crash test;
- Analog voltage output.

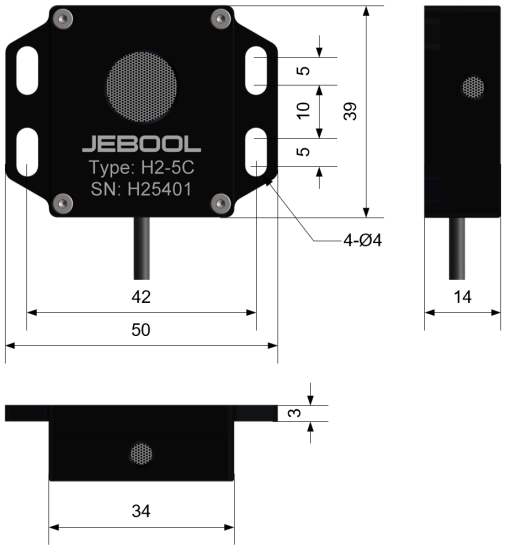
The hydrogen sensor is based on the principle of catalytic combustion to detect the concentration of hydrogen in the air. The front end of the sensor uses a chip prepared by the MEMS micro-hot plate process that meets the vehicle standard, and obtains a stable and reliable signal through temperature compensation and signal filtering and amplification. The sensor is supplied with high-performance wear-resistant cables, custom lengths, Dallas IDs and connectors.

Specification(with 5V excitation, 25℃):

Name	Unit	Value
Test range	%vol	5
Test error	%vol	⩽±0.15
Non-Linearity	%LEL	⩽±3 LEL=4%vol
Signal output	V	0.5~4.5
Excitation Voltage	V	4.75~5.50
Current	mA	40
T90 response time	sec	⩽5
Operational Temp.	℃	-10~40
Anti-Shock	g	⩾100
Insulation Res.	MΩ	⩾100
Mounting	/	4×M4
Case material	/	Alloy
Mass	grams	32
Dimension	mm	50×39×14

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

Dimension:



Wires Define:

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

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