Hydrogen Sensor H2-5B

- Suitable to hydrogen concentration measurement;
- Measurement precision 0.1%VOL;
- T90 response time≤10sec;
- Easy mounting;
- Anti-Shock >100g, support HFCV crash test;
- Analog voltage output and RS485 are optional.

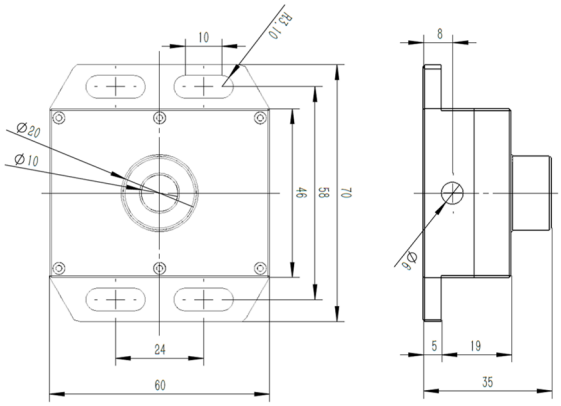
The hydrogen sensor is based on the principle of catalytic combustion to detect the concentration of hydrogen in the air. The front end of the sensor uses a chip prepared by the MEMS micro-hot plate process that meets the vehicle standard, and obtains a stable and reliable signal through temperature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

Specification(with 10V excitation, 25℃):

Name	Unit	Value
Test range	%vol	5
Test error	%vol	⩽±0.1
Non-Linearity	%FS	⩽±1.5
Signal output	V	0.5~4.5
Excitation Voltage	V	8~16
Current	mA	60
T90 response time	sec	⩽10
Operational Temp.	℃	-10~40
Anti-Shock	g	⩾100
Insulation Res.	MΩ	⩾100
Mounting	/	4×M4
Case material	/	Nylon
Mass	grams	80
Dimension	mm	70×60×35

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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