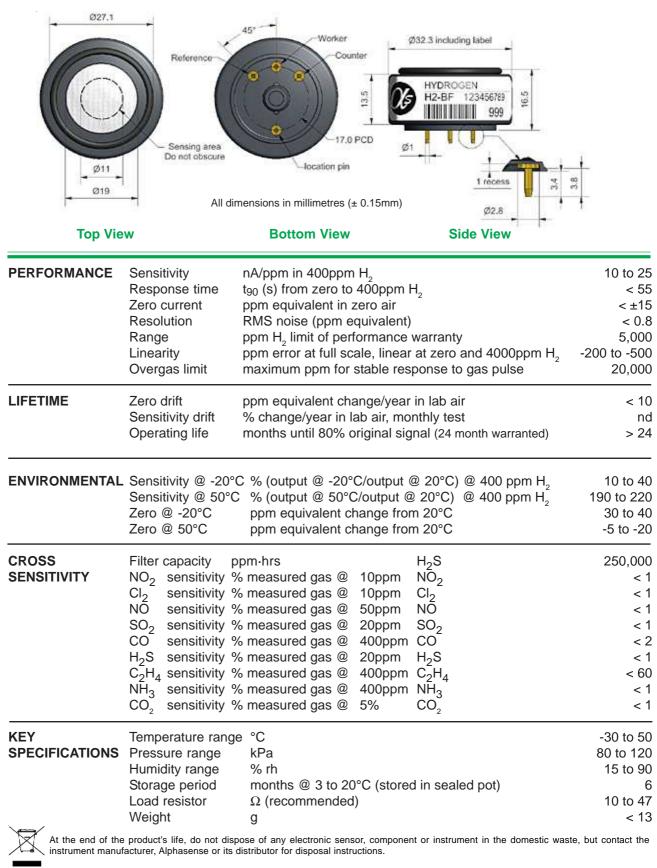
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H2-BF Hydrogen Sensor

Figure 1 H2-BF Schematic Diagram



NOTE: all sensors are tested at ambient environmental conditions, with 47 ohm load resistor, unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

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Specification

echnica

Add: 16/F, Bldg. #3, Zhongke Mansion, No.1 Hi-Tech S. Rd, Hi-Tech Park South, Shenzhen, Guangdong, 518067 P.R.China

Tel: + 86-755-83289036 Fax: + 86-755-83289052

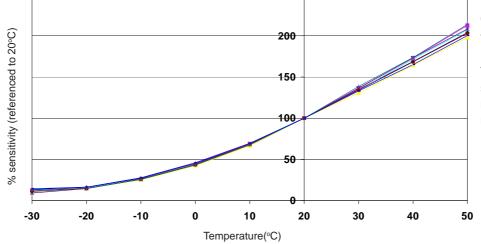
E-mail: sales@isweek.com

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H2-BF Performance Data

Figure 2 Sensitivity Temperature Dependence





250

Figure 2 shows temperature dependence of sensitivity to 400ppm Hydrogen.

Temperaure correction of sensitivity using software is necessary for accurate measurements.

Figure 3 Zero Temperature Dependence

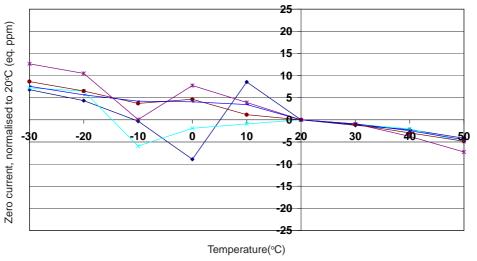
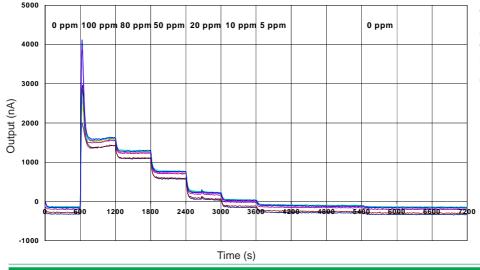


Figure 3 shows the variation of zero currrent with temperature, referenced to 20°C.

Figure 4 Linearity to 1000ppm



With good sensor response as low as 5 ppm Hydrogen, this sensor can be used for leak detection and process control.

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E-mail: sales@isweek.com