

## H<sub>2</sub>SENSE Model 4000 Hydrogen Safety Monitor

### Description

The H<sub>2</sub>SENSE Model 4000 is designed specially for exclusive monitoring of hydrogen gas leak in a most reliable and precise way.

With our patent solid state thin-film palladium alloy hydrogen sensor technology, the Model 4000 is hydrogen specific and do not have cross sensitivity with other gas. It will provide the most reliable result for hydrogen leak detection and avoid false alarm by other gas.

Our Model 4000 is perfect choice for the applications where detection hydrogen level is critical, especially for the harsh using condition where other gas monitor will not work properly.



### Advantages:

- ✓ Hydrogen specific
- ✓ Long life time (10 years)
- ✓ No cross sensitivity with other flammable gas
- ✓ Can work without oxygen
- ✓ Compact, light weight design
- ✓ No consumable parts, easy to maintenance

Technology	Catalyse	Electrochemistry	H <sub>2</sub> SENSE
Hydrogen Specific	NO	NO	<b>YES</b>
Work without oxygen	NO	NO	<b>YES</b>
Measuring Range	0~2%	0.01~0.2%	<b>0.1~5%</b>
Target gas temperature	-20 ~ 50°C	-20 ~ 50°C	<b>-20 ~ 100 °C</b>
Cross Sensitivity with other gases like CO, CH <sub>4</sub>	YES	YES	<b>NO</b>
Expected life time	2 years	1 year	<b>10 years</b>
Can work in high humidity	NO	NO	<b>YES</b>
Can work in H <sub>2</sub> S, wet Cl <sub>2</sub>	NO	NO	<b>YES</b>

## H<sub>2</sub>SENSE Model 4000 Technical Data Sheet

	Model 4000
<b>Measurement Range</b>	0.1% ~ 5% Vol. (1 atm)
<b>Accuracy (H<sub>2</sub>)</b>	± 0.3 %
<b>Response Time</b>	< 60 Seconds (T90)
<b>Operating Temperature</b>	-20 ~ 60 °C
<b>Storage Temperature</b>	-40 ~ 50 °C
<b>Operating Humidity</b>	0 ~ 95% RH
<b>Relays</b>	Two programmable 60 V <sub>DC</sub> / 1 A SPDT relays with both normally open (N.O.) and normally closed (N.C.) contacts
<b>Power Input</b>	10 ~ 26 V <sub>DC</sub> , 1 A
<b>Analog Output</b>	4 ~ 20 mA or 0 ~ 5 V <sub>DC</sub> , Max load 650 Ω
<b>Serial Output and Protocol</b>	RS232, RS422
<b>Calibration period (suggested)</b>	90 days
<b>Background gas</b>	Air or N <sub>2</sub>
<b>Expected life</b>	10 years
<b>Connector &amp; cable</b>	M12 standard connector (4 pin, 8pin) & 5m cable included
<b>Weight &amp; Dimensions</b>	0.4 kg, 201.5 mm (L) x 111.5 mm (W) x 39.3mm (H)
<b>Protection level</b>	IP64
<b>Warranty</b>	1 year standard warranty with extension options
<b>Standards</b>	CE

*Specifications subject to change without prior notice.*