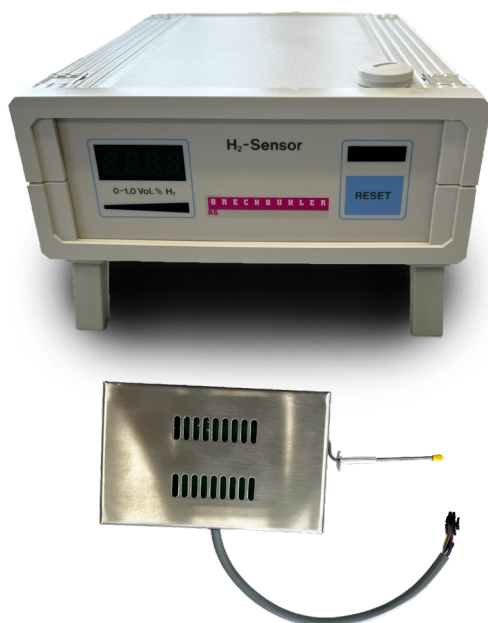


BRECHBÜHLER

SCIENTIFIC ANALYTICAL SOLUTIONS

H2 SENSOR SERIES

Get all the benefits of hydrogen as a carrier ...
... without taking a risk.



SAFETY & ECONOMICS

Get Rid of Helium costs and shortages safely
Lower operating cost
Safely done with the H2 Sensor Series
Series 9000 Fully Compatible with All GC Brands
Series 9100 Dedicated for Thermo 13XX & 16XX

MODULARITY

Modular Design
Easy Installation
Quick connect

H2 SENSOR

Hydrogen costs about 75% less than helium of comparable quality. The only drawback is the danger of explosion in case of a leak in the column oven.

The H2-Sensor will continuously monitor the atmosphere in the GC-oven. If the present threshold level is exceeded, an audible alarm is alerted and the alarm starts blinking. The oven is immediately shut off and the cooling flap opens. In addition, the system can switch to nitrogen if a gas switching valve is provided.

COMPATIBLE WITH ALL GC BRANDS

The 9000 series is compatible with all the GC Brands and comes with a universal installation kit.

SPECIFICATIONS 9000 SERIES

Detection Limit:	0.5% hydrogen by volume	
Alarm threshold	1% by volume (Linear between 0.8–1.2% by volume)	
Stability of threshold level:	Better than 500 PPM of set value (within one year)	
Sensor lifetime:	At least 5 years (in a non-corrosive environment)	
Operating temperature:	Electronics:	-5 to +55°C
	Sensorhead: SC:	-10 to +80°C
	EC:	-10 to +40°C
Power:	90–260 VAC – 50/60 Hz	
Instrument readings:	Power on/off LED (green bargraph) Display for H ₂ concentration Bar graph LED for H ₂ -level display Blinking alarm display Audible alarm on/off safety switch (rear side)	
Outputs:	Gasalarm:	GA1: 4 pol connector rear side line voltage 230/115 VAC/1A GA2: D-sub 15 pol connector rear side 1 potential free contact (contact closure) 50V/1A 1TTL output 5V
	Technical alarm:	GA2: D-sub 15 pol connector rear side 1 potential free contact (contact closure) 50V/1A 1TTL output 5V
	Others:	GA2: D-sub 15 pol connector rear side sensor analog output 0-1 V linearized

If you have any questions, please don't hesitate to contact us!

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www.brechbuehler.ch

info@brechbuehler.ch

+41 44 732 31 31