



HGD-5000 Hydrogen Gas Detector



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Product Description

The **HGD-5000 Hydrogen Gas Detector** is a state-of-the-art product designed to accurately and efficiently monitor hydrogen gas buildup in storage rooms and facilities that house batteries. It is actively specified by enclosure house manufacturers, substations, and engineering firms around the globe.

It provides terminal block connections for single-phase 110 AC, 24VAC or 18-60VDC power. Detected Hydrogen levels are displayed in “% Vol” and traffic light indication LEDs – Green (Normal), Yellow (Warning – 1% Vol, warning relay will close, activating the ventilation fan), and Red (Alarm – 2% Vol, alarm relay will initiate an 80 dB internal warning).

Features

- **Replaceable sensor with a 10-year life cycle!**
- 110AC, 24V AC, 18-60VDC power supply
- 2* Internal relays for fan/alarm activation
- 2* Analogue outputs
- Output to external strobe
- 4-sec alarm delay to prevent false activation
- Supplied calibrated.
- Designed in the USA.

Applications

- Utilities and Power Plants
- UPS Power Systems
- Fuel Cell Test Stations
- Nuclear Waste Reforming
- Hydrogen Refueling Stations
- Fire Department
- Battery Suppliers
- Battery Charging Rooms
- Golf Cart

Accessory Items



HGD-5000-R Repeater Panel

Installed at eye level, the HGD-5000-R allows the HGD-5000 to be installed optimally 1FT from the ceiling while still providing easy access to monitor readings.



HGD-AAB

The HGD-AAB is a remote visual and audible for use with the HGD series of products.



EE-TEST-H-17L-KIT

Testing kit that provides all components needed to perform multiple “bump tests” in installed HG-5000s.

Technical Specifications	
Target Gas:	Hydrogen 1% Vol (warning) 2% Vol (Alarm)
Operating Environment:	-10 – 40 °C (14 – 104 °F)
Housing Material:	ABS PA765. Flame Retardant UL 94V-1
Display:	1.8” TFT
Rated Voltage:	90-250 VAC / 18-60VDC or 24VAC
Electrical Safety & EMC:	CE / UKCA BS EN 61010-1:2010 +A1:2019. & BS EN 50270.
Dimensions (H x W x D):	5.95 x 4.37 x 1.97 in (151 x 111 x 50 mm)
Weight:	7.5 oz
End-of-life Years:	10