

HGD-3000 FAQs

What is the life expectancy of the HGD sensor?

The sensor is rated for 5 years; after this time the sensor may start to become overly sensitive to gases. We recommend replacement or refurbishment of the sensor at this time. Changing the sensor is simple, quick, & can be done while online.

What are the limitations of the smoke and infrared intrusion alarm?

The IR sensor has a range of 9 meters and covers 30 degrees. If mounted in a large area, the sensor should be aimed towards a door, or at the equipment being protected

Do the additional features of the HGD-3000 decrease the life expectancy of the sensors or boards?

No, the additional features do not negatively impact any functions of the HGD.

Does the HGD-3000 require additional maintenance and calibration after installation?

No, as described above the sensor is rated for 5 years. During this period the HGD should be maintenance free.

Is the HGD-3000 rated explosion proof?

No, the unit is not rated explosion proof. The intrinsic design of the unit is to *prevent* and explosive atmosphere from forming by alarming and switching proper ventilation services on.

Does the unit alarm to an external building control system?

Yes, one 10A relay for fan control, and has four small alarm signal relays capable of switching 1A each. These have normally open contacts that close on alarm. They are: 2% hydrogen alarm, smoke alarm, IR intrusion alarm, and loss of power alarm. These are available through the RJ45 connector, or the internal punch-down connector.

What standards does the HGD-3000 satisfy?

Beyond making your facility environment safer for employees, the HGD-3000 fulfills the following standards: IEEE Standard 450; National Protection Agency (NFPA) Article 64; NFPA 2: Hydrogen Technologies Code; Uniform Building Code (UBC) Section 6400; National Electric Code (NEC) Section 480.9 (A); NEC 501.125 (B); NEC 501.105 (1)-3 - use in Class 1 Division2 Group B

Is the HGD-3000 sensor operation affected at all by differences in altitude?

No, the general operation of the HGD-3000 sensor is not affected by differences in altitude.