



Gas Detection Solutions

For Life



Distributor Announcement

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HYDROGEN SPECIFIC SOLUTIONS

Hydrogen gas is looked to as a cleaner source of energy for the future. It is also commonly used in many industrial processes. Hydrogen is one of the most explosive gases, and leaking hydrogen cannot be seen or smelled.

RKI Instruments, Inc. offers a unique technology for detecting dangerous levels of hydrogen gas. This technology utilizes a proprietary process to produce a sensor that is selective to hydrogen (no false alarms from other gases or vapors) and virtually immune to traditional catalyst poisons. For instance, semiconductor operations need to detect hydrogen without experiencing nuisance alarms from cleaning solutions containing isopropyl alcohol. Glass manufacturing processes need to detect hydrogen, but also involve silicone, which can poison traditional catalytic bead sensors. RKI's hydrogen specific sensors are ideal solutions for applications like these.

Features

- Explosion proof housing and sensor design
- H₂ specific solid state sensor for 0 - 2000 ppm
- H₂ specific catalytic sensor for 0 - 100%LEL
- Molecular sieve filter built in; highly specific to H₂
- Eliminates false alarms from IPA and other gases
- 4-20 mA transmitter, 24VDC
- Long life (five years + in most applications)
- Excellent stability requiring calibration just once per year
- Silicone resistant and silicone-proof versions available

Applications

- Semiconductor
- Power Plants
- Fuel Cell Industry
- R & D applications
- Gas plants
- Battery charging (telecom backup, forklifts, golf carts, etc.)

[H₂ Specific Spec Sheet](#)

