

HLD FAQ

This infographic provides a clear overview to help address common questions and objectives when discussing the Hydrogen Leak Detector (HLD) Sensor with customers. It serves as a valuable tool to guide conversations, ensuring key points are covered effectively.

What is "Hydrogen The Honeywell Hydrogen Leak Detector is designed and packaged Leak Detector" and for usage in many applications. The sensor uses Thermal 1. what problem does Conductivity Detection (TCD) technology for stable and reliable it solve for me? performance. In addition, TCD presents the advantage of being reproducible with low part-to-part variability and environmental robustness against poisoning. The long-term stability of the Honeywell sensor over environmental conditions like altitude and temperature eliminates the need for sensor calibration or replacement. How does H₂ Leak The H₂ leak sensor utilizes TCD technology, boasting a sensor Sensor make money lifespan estimated at 10 years. In contrast, alternative technologies 2. for me? such as Catalytic Beads necessitate sensor replacement every five years. Furthermore, the H₂ Leak Sensor eliminates the need for field calibration updates, thereby minimizing downtime and operational interruptions. This feature contributes to a superior total cost of ownership compared to other H2 leak detection methods. How does H₂ Leak Compared to existing market technologies like Catalytic Bead, TCD Sensor compare to stands out in several key aspects. Take, for instance, the Honeywell 3. how I solve this sensor, which boasts a longer sensor lifespan, enhanced accuracy, problem today? and a more economical total cost of ownership. Unlike Catalytic Bead, primarily tailored for industrial applications, TCD's versatility extends across various industries, meeting stringent automotive standards alongside other sectors. low does the HLD Hydrogen gas leaks present significant safety concerns, primarily detects Hydrogen due to the highly flammable and explosive nature of hydrogen. 4. Leak? Understanding the causes, detection methods, potential hazards, and safety measures associated with hydrogen gas leaks is crucial for industries and applications that utilize hydrogen. HLD uses TCD to measure the difference in temperature of the surroundings and provide Hydrogen level readings. The sensor can measure

• Extended Range: Measures hydrogen concentration up to 4% features of Honeywell **5**. · Reliable and Accurate: The sensor is highly resistant to chemical Hydrogen Leak poisoning with an accuracy of +/- 10% (depending on operating Sensor? conditions) • Has an extended sensor life up to 10 years • Environmental Sealing: Moisture ingress protection rated to IP67 • The response time of the sensor is <2 second • Output Configuration: The sensor communicates via different methods of output CAN 2.0 (250K and 500K), voltage out reading (to come), and PWM (to come) Why did you create Hydrogen is increasingly viewed as a promising solution for the HLD? achieving sustainable energy goals due to its potential to reduce greenhouse gas emissions and reliance on fossil fuels. At Honeywell, we are supporting the transition to new energy sources with ready-now solutions to help our customers mitigate safety risks as they expand their product portfolios. What are the target Automotive suppliers – all FCEV fleets segments for HLD? 7. • Transportation – HD Truck suppliers • Industrial – Hydrogen-powered forklift suppliers • H2 Storage and transport suppliers • H₂ Powered generator sets • Industrial Safety products Where can I find more information? 8. Click here to visit the Honeywell website where you can find an overview and technical reports.

level in the air.

as low as 50 PPM level, which equates to .005% of the hydrogen