

Eliminate Risk. Increase Safety.

Lead acid and Ni-Cad batteries dissipate hydrogen that can ignite if left unchecked. Hy-Guard monitors and reports rising hydrogen levels 24/7, so you can detect problems before they become disasters.

- + Highest Tech
- + Lowest Maintenance
- + Easiest Installation
- + Longest Life

SHIELD OF SAFETY



Hy-Guard™

Features

Accuracy	±0.3% H ₂ in the 0.4–2% range
Temperature and Pressure Sensor	Accuracy: ±0.5 °C Resolution: 0.1 °C
Response time	≥90% of transition to 2% H ₂ in <5 minutes
LDL	0.4% H ₂
Sensor Survival Range	≤5% H ₂
Resolution	1 ppm, 0.1°C
Compatibility	Air, non-condensing humidity, hydrogen

Operating Specifications

Humidity	0–95% RH, non-condensing
Ambient Temperature	15–40 °C
Pressure	0.8–1.2 ATM (absolute pressure)
Input Power	AC: 85–264 V DC: 9–48 V

*Specifications assume 1 atmosphere absolute pressure in dry 25°C gas.

Hy-Guard™

Effortless, Continuous
Hydrogen Monitoring
for Battery Systems

Prevention Starts with

Detection

H2scan
Advanced Hydrogen Sensing



24/7 Detection Perfection
with **AUTO-FOCUS**

Drift happens. With Hy-Guard's non-consumable dual sensors, it doesn't require downtime. While one sensor detects, the other automatically adjusts for drift every 12 hours, guaranteeing round-the-clock accuracy.

H2scan
Advanced Hydrogen Sensing

Rev 0

27215 Turnberry Lane | Unit A
Valencia, CA 91355

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h2scan.com

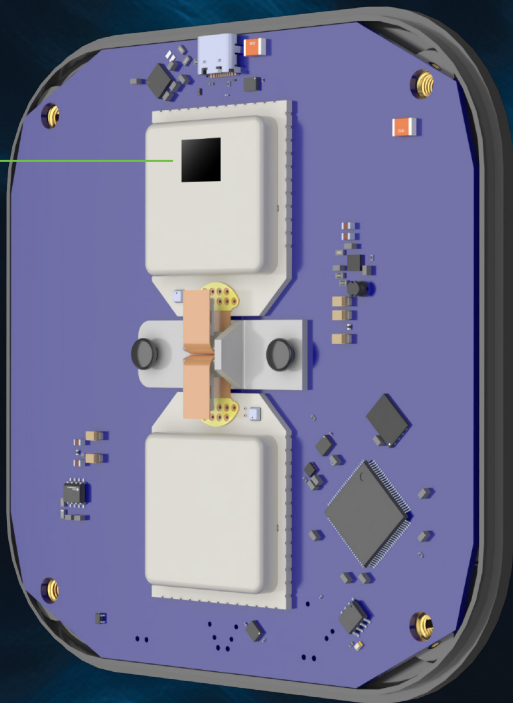
A Layered Approach to Hydrogen Protection

DECADE OF DETECTION



- 10-year, maintenance-free lifespan
- Engineered to last the life of your battery cabinet
- Durable, non-conducting plastic

ADVANCED SENSING TECHNOLOGY



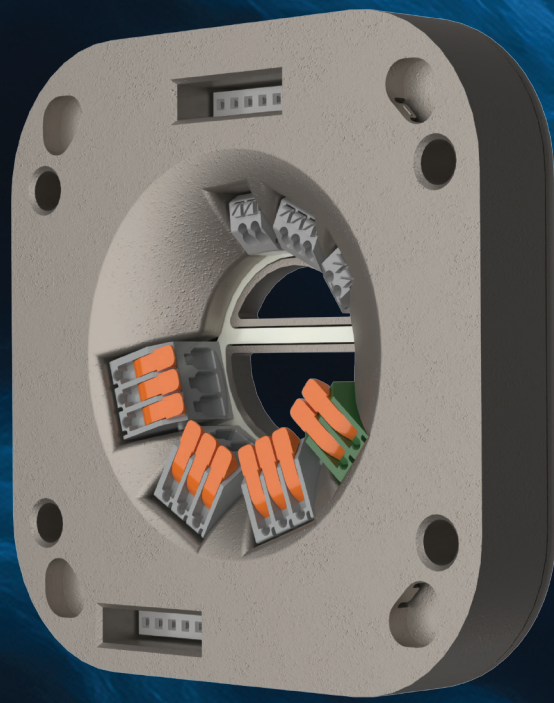
- Engineered to only detect the real threat: hydrogen
- No cross-sensitivities, no false alarms
- Non-consumable sensor

SMALL FOOTPRINT, BIG PROTECTION



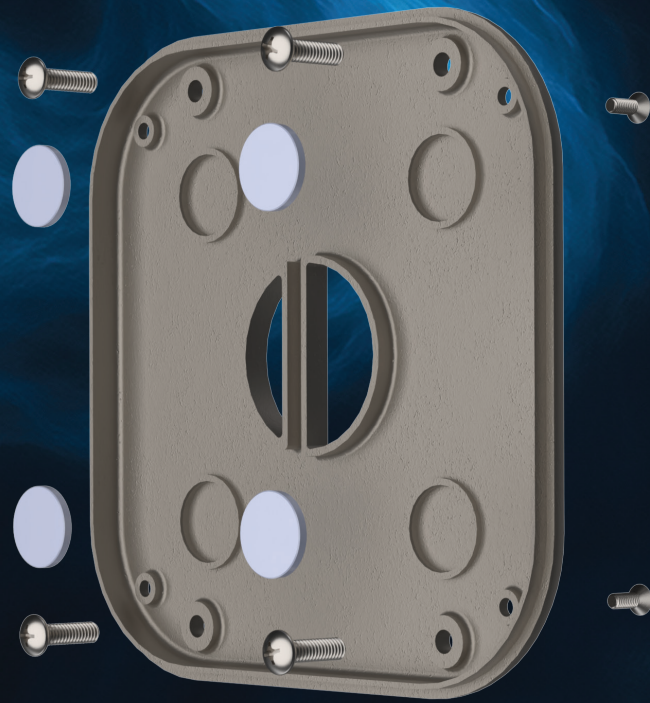
- Advanced electronics design
- 85 db alarm buzzer
- Status/Alarm LED's you can't miss

CONNECTIVITY MADE EASY



- AC or DC powered
- 4–20 mA analog output
- 3 relays (2 alarm / 1 fault)

EASY INSTALL



- Intuitive design
- Easy to install
- Mounts to virtually any surface

Install Anywhere

However your battery room is designed, Hy-Guard is ready to install in minutes. No tools or electricians required.



PUNCH OUT



JUNCTION BOX



DIN RAIL



SURFACE MOUNT