

# Hy-Guard™

Effortless, Continuous  
Hydrogen Monitoring  
for Battery Systems

# Prevention Starts with Detection

**H2** scan®

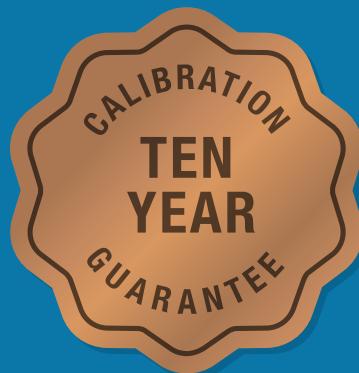
Advanced Hydrogen Sensing



# 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.

- ⊕ High Tech
- ⊕ Low Maintenance
- ⊕ Easy Installation
- ⊕ Long Life



## DRIFT HAPPENS

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



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

# A Layered Approach to Hydrogen Protection

DECADES OF  
DETECTION



- Engineered to last the life of your battery
- 10-year calibration guarantee
- Rugged, non-conductive housing

ADVANCED SENSING  
TECHNOLOGY



- Solid-state, ultra-low power sensor
- No cross-sensitivities; no false alarms
- Only detect the real threat: hydrogen

SMALL FOOTPRINT,  
BIG PROTECTION



- Robust electronics design
- 85 dB alarm buzzer
- Vibrant LED's you can't miss

CONNECTIVITY  
MADE EASY



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

CONVENIENT  
INSTALLATION



- Install as easy as 1, 2, 3
- Designed for standard 2100 J box
- Screwdriver-only installation

## Install Anywhere

However your battery cabinet or room is designed, Hy-Guard installs in minutes.



PUNCH OUT



JUNCTION BOX



WALL MOUNT \*



DIN RAIL \*



SURFACE MOUNT \*

\* requires additional universal adapter plate accessory

# Hy-Guard

## Sensor Performance

Accuracy	±0.3% H <sub>2</sub> ; Range 0–2%
Response Time	60 seconds to 1% alarm
LDL	0.4% H <sub>2</sub>
Resolution	1 ppm
Compatibility	Air, non-condensing humidity, hydrogen

## Hy-Guard Specifications

Humidity	0–95% RH, non-condensing
Ambient Temperature	0–50 °C
Storage Temperature	-20–60 °C
Pressure	0.8–1.2 ATM (absolute pressure)
Input Power	AC: 85–264 V DC: 15–60 V
Wire Gauge	AC: 12–24 AWG DC: 14–20 AWG
Dimensions (L x W x H)	5.1" x 5.1" x 2.1"