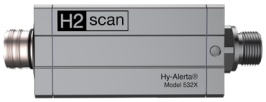
SELF-CALIBRATING HYDROGEN DETECTION

FOR ENERGY STORAGE AND STATIONARY BATTERIES

H2scan® Advanced Hydrogen Sensing

Battery Hydrogen Sensing Solutions

Durable and reliable hydrogen sensing is crucial for safety in standby power and energy storage batteries as it detects potentially explosive gas buildup. Early detection allows ventilation and other safety measures to be initiated, preventing catastrophic failures thereby protecting personnel and assets.

			
	Lithium Battery Rooms/Containers	Lead-Acid & Ni-Cad Rooms/Containers	All Battery Rooms/Containers
Model	HY-ALERTA® 5020 General Location	HY-ALERTA 5021 General Location	HY-ALERTA 5320 Intrinsically Safe

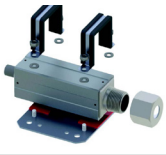
Model	H_2 Measurement Range	Operating Temperature	Response Time	Intervals
5020	0.1% - 0.5%	-10°C to 60°C (14°F to 140°F)	T90[1] @ <60 seconds	Modbus
5021	0.1% - 5%	-10°C to 60°C (14°F to 140°F)	T90 @ <5 minutes	Modbus
5320	0.1% - 5%	-10°C to 60°C (14°F to 140°F)	T90 @ <60 seconds	Modbus, 4-20 mA Digital Contact

1. The time taken for the sensor to record 90% of the full scale H2 concentration

Advantages

- Self-calibrating - Maintenance free
- Modbus equipped - Display is optional
- Run fans only when hydrogen is present
- 15+ year service life

Hydrogen Sensor Accessories

				
HYVIEW® Modbus Display Displays Percentage H_2 or ppm Know your H_2 risk. Check the Hydrogen level before entering battery rooms	**BRO-1** Modbus to Dry Contact Converter Potential-free contacts trigger 1% and 2% H_2 gas alarms for four sensors	**HYAO-1** Modbus to 4-20 mA Converter Converts Modbus sensor data to a standard 4-20 mA current signal	**Sensor Mount & Cap** Series 5000 Versatile mounting solution for 5000 series sensors and protective contaminant shield caps	**Connectivity Options** Cables & Connectors Modular cabling system for connecting and sensor-linking up to four sensors

27215 Turnberry Lane, Unit A, Valencia, CA 91355, USA | +1 661-775-9575 | hello@h2scan.com | www.h2scan.com | 90000260