H2scan
ADVANCED HYDROGEN SENSING

HY-ALERTA™ 5320

INTRINSICALLY SAFE HYDROGEN AREA MONITOR

Rapid Response Hydrogen Leak Detection Improves Safety

The HY-ALERTA™ 5320 Hydrogen Area Monitor brings proprietary technology for enhanced safety in environments where hydrogen leaks can prove hazardous. The HY-ALERTA 5320 Area Monitor features H2scan's self-calibrating, patented solid-state technology for reliable and rapid hydrogen-specific leak detection. The monitor's fast response time swiftly alerts facility managers to the presence of hydrogen to allow immediate corrective action.

A compact form factor and multiple mounting options make the HY-ALERTA 5320 easy to install on any surface, wall or ceiling for rapid, accurate hydrogen detection in any facility producing, storing or utilizing hydrogen. Hydrogen-based process lines, gas blending operations, energy storage, fuel cell/electrolyzer facilities, data centers and battery rooms can realize real-time, continuous, hydrogen monitoring with an intrinsically safe product with a ten-year sensor warranty.

H2scan's hydrogen sensing technology eliminates the burden of frequent calibrations and ongoing maintenance. This allows greater freedom to place the monitor wherever it is needed most without worrying about access for maintenance. Dramatically improve safety in potentially explosive environments with the industry's fastest and most versatile yet reliable hydrogen-specific monitor.

Upgrade Your Hydrogen Safety Program with a Complete Solution

Long-Term Sensor Reliability: Up to 10 years of maintenance-free operation of the hydrogen sensing element with no cross sensitivity to other combustible gases

Safe and Effective: Ideal for hydrogen-based process lines, fuel/cell electrolyzer facilities, battery rooms, energy storage and other hazardous environments that require rapid leak detection

Cost-Effective: Low cost of ownership by eliminating periodic calibration, maintenance and replacement

Maintenance Free: Patented solid-state sensor technology and 10-year sensor warranty with no calibration required enable flexible placement in vital areas without maintenance constraints

Environmentally Friendly: No consumables required, supporting greener operations

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

H2scan
ADVANCED HYDROGEN SENSING

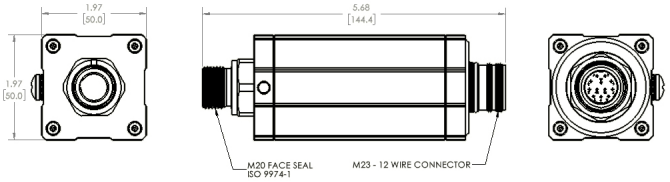
HY-ALERTA™ 5320

INTRINSICALLY SAFE HYDROGEN AREA MONITOR

Improve worker safety and protect capital equipment with reliable, rapid and affordable hydrogen sensing technology for hazardous applications across industries associated with the hydrogen economy.

- No false alarms from cross-sensitivity to other gases
- Low total cost of ownership
  - Zero manual calibration requirements
  - Zero maintenance
  - Zero consumables like calibration gases
  - Zero sensor replacements with up to 10-year operational lifespan
- 100% continuous monitoring
- Daisy-chaining capability
- Multiple interface standards and alarm outputs
- Ideal for leak detection in areas with space constraints

HY-ALERTA™ 5320 Dimensions



Performance

Operating Condition at Analyzer	
Recommended	1-2 ATM Absolute
Maximum	0.1 to 10 ATM Absolute
Operating Temperature	-20 to 80° C
Flow Rate	0.1 to 10 SLPM (1/4" TUBE)
Operating Humidity	< 95% RH (non-condensing)
Calibration	None (auto calibrating)
Output Signal	
Digital	MODBUS over RS-485, three-wire, half-duplex
Analog	4–20 mA
Power	
Input Voltage	9 to 15.6 VDC
Input Power	2 Watts
Physical	
Dimensions	144.4 mm x 50 mm x 50 mm [5.68 in x 1.97 in x 1.97 in]
Weight	748.43 grams [1.65 lbs]
Electrical Fitting	TWELVE-PIN, M23
Sensor Fitting	M20 FACE SEAL, ISO 9974-1
Environmental	
Ingress Protection	IP66
Operating Temperature	-20 to 80° C
Storage Temperature	-20 to 105° C
Certifications	
UL and Hazardous Location (coming soon)	

Product Selection

MODEL	Hydrogen range low	Hydrogen range high	CO limit	H2S Limit	T90 Response Time (sec)	Accuracy Low to 10 H2	Accuracy 10 to 100% H2	Drift/Week	Repeatability Low to 10% H2	Repeatability 10 to 100% H2	Linearity Low to 10% H2	Linearity 10 to 100% H2
5320	0.4%	5%	0	0	<60	0.3%	N/A	None	0.3%	N/A	0.3%	N/A

Specifications subject to change without notice
Printed Documents are uncontrolled.

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