

HY-ALERTA™ 2600 Explosion Proof Area Hydrogen Monitor

Description

H2scan's HY-ALERTA™ 2600 Explosion Proof Area Hydrogen Monitor provides hydrogen-specific leak detection and measurement for hydrogen concentrations as low as 4000 ppm and can be scaled to any concentration up to 5% hydrogen by volume, a range representing 10% to 125% of hydrogen's lower flammability limit. The monitor is designed for either ceiling or wall mount and has an RS422 capability that extends the interface from the Sensor Module to the Control Module to several hundred feet. H2scan's hydrogen-specific sensor technology has no cross sensitivity to other combustible gases, thus eliminating false positive alarms and ensuring safety system reliability.

Performance

Hydrogen Sensitivity Range:
0.4% to 5.0% hydrogen by volume
10% to 125% hydrogen lower flammable limit
Accuracy: $\pm (0.03 \times \text{indication} + 0.2)$ percent
hydrogen by volume
Typical Response Time: T90 of 60 sec maximum
Ingress Protection: IP66
Calibration Interval: 90 days
Product Life Expectancy: 10 years

Interface Options

Input Voltage Range: 90 VAC to 260 VAC
Input Power: 15 W
Analog Output: 4 mA to 20 mA
Serial Communication: RS422
Relay Contacts: Two programmable 5 A, 250 VDC / VAC
SPDT relays with both normally open (N.O.) and
normally closed (N.C.) contacts

HY-ALERTA™ 2600 Includes...

Sensor Module
Control Module
Infrared Remote Control

Operating Conditions

Operating Temperature Range: 4°C to 60°C
Storage Temperature Range: -40°C to 50°C
Calibration Background Gas: Air

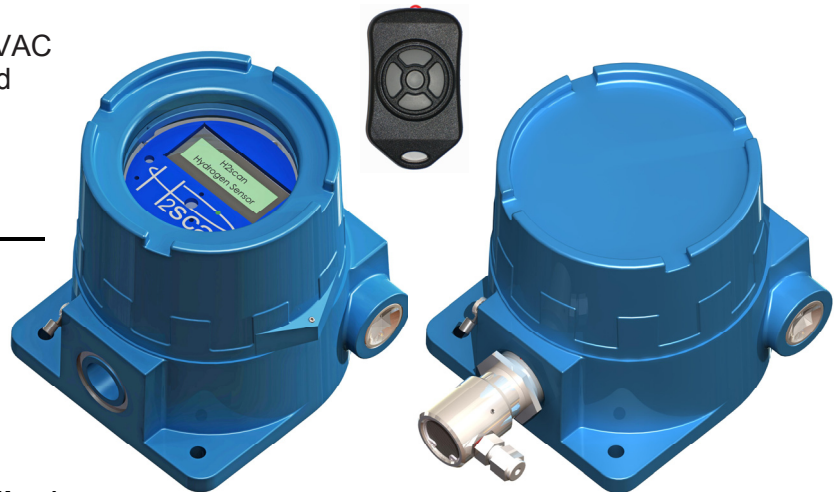
Dimensions

Sensor Module

Width: 13.8 cm (5.4 in.)
Length: 19.3 cm (7.6 in.)
Depth: 13.0 cm (5.1 in.)

Control Module

Width: 13.8 cm (5.4 in.)
Length: 14.3 cm (5.6 in.)
Depth: 14.4 cm (5.7 in.)



Explosion Proof Housing Certifications (pending)



Class I Group B, C, D; Class II Group E, F, G; Class III Type 4X
Class I Zone 1 AEx d IIC
Ex d IIC IEC 60529 IP66

