

Series 600 HY-ALERTA Fixed Area Hydrogen Monitor

Description

H2scan's Series 600 fixed area hydrogen monitor will provide hydrogen-specific leak detection and measurement for hydrogen concentrations as low as 4000ppm and can be scaled to any concentration up to 5% hydrogen by volume, a range representing 10% to 125% of hydrogen's low flammability limit. The system is designed for either ceiling or wall mount and has an RS422 capability that extends the interface from the sensor to the controller to several hundred feet. H2scan's hydrogen-specific sensor technology has no cross sensitivity to any other combustible gases, thus eliminating false positive alarms and increasing system reliability.

Performance

Hydrogen Sensitivity Range:
 0.4% to 5.0% hydrogen by volume,
 10% to 125% hydrogen lower flammable limit
 Accuracy: \pm (3.0% of indication + 2000ppm)
 Typical Response Time: T90 less than 30s
 Ingress Protection: IP64 capable
 Calibration Interval: 90days
 Product Life Expectancy: 10years

Interface Options

Input Voltage Range: 8VDC to 13VDC
 Input Current: 0.5A
 Analog Outputs:
 Output Voltages - OR - Output Currents

- 0VDC to 5VDC
- 1VDC to 5VDC
- 0VDC to 4VDC
- 0.5VDC to 4.5VDC
- User-specific VDC range
- 4mA to 20mA
- 0mA to 20mA
- User-specific mA range

Serial Communication Options: RS232 or RS422
 Relay Contacts: Two programmable 60VDC/1A SPDT relays with both normally open (N.O.) and normally closed (N.C.) contacts.

Certification: 

Operating Conditions

Operating Temperature Range: -20°C to 40°C Storage
 Temperature Range: -40°C to 50°C
 Operating Humidity: 0% to 95% RH
 Calibration Background Gas: Air

Dimensions

Total Length: 7.2in.
 Mounting Bracket Length: 5.6in.
 Total Width: 4.4in.
 Mounting Bracket Width: 4.0in.
 Depth: 1.6in.

