

HY-ALERTA™ 600B/610B Fixed Area Hydrogen Safety Monitors

Description

H2scan's HY-ALERTA™ 600B/610B Fixed Area Hydrogen Monitors will provide 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 low flammability limit. They are designed for either ceiling or wall mount and have 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: $\pm (0.03 \times \text{indication} + 0.2) \%$ hydrogen by
volume
Typical Response Time: T90 of 60 sec maximum
Ingress Protection: IP64 capable
Calibration Interval: 90 days
Product Life Expectancy: 10 years

Interface Options

Input Voltage Range: 10 VDC to 26 VDC
Input Power: 15W max

Standard Analog Outputs:

- 0 VDC to 5 VDC or
- 4 mA to 20 mA

Custom ranges are available.

Serial Communication Options:

RS232 or RS422

Relay Contacts:

Two programmable 30 VDC / 1 A SPDT relays
with both normally open (N.O.) and normally
closed (N.C.) contacts.

One programmable 30 VDC / 1 A SPDT relay with
normally closed (N.C.) contacts.

Certifications:  

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 (600B): 8.2 in.
Total Length (610B): 8.3 in.
Gas Connection (610B Only) 1/8 inch tube
Mounting Bracket Length: 5.6 in.
Total Width: 4.4 in.
Mounting Bracket Width: 4.0 in.
Depth: 1.6 in.

