

## HY-ALERTA™ 500 Handheld Hydrogen Leak Detector

### Description

**H2scan** recognizes the importance of detecting and locating hydrogen leaks as quickly as possible. **H2scan's** HY-ALERTA™ 500 Handheld Hydrogen Leak Detector is the industry's most versatile, portable hydrogen leak detector able to respond to the widest range of hydrogen gas concentrations without the need of any peripheral equipment. The sensor probe has a unique visual LED array that will effectively help navigate to the source of a hydrogen leak where hydrogen gas is produced, used, transported, or stored. With two sensing elements on the same semiconductor die, the HY-ALERTA™ 500 can detect hydrogen leaks as low as 15 ppm and will not saturate or be destroyed when detecting high concentrations of hydrogen up to 100%. The flexible cable allows the sensor probe access to virtually all potential leak sources.

### Performance

Hydrogen Sensitivity Range:

- 15 ppm to 100% hydrogen by volume,
- No peripheral equipment needed

Initial Response Time in seconds

Ingress Protection: IP64 capable

Field Verification/Calibration Period: 1 year

Product Life Expectancy: 10 years

### Lithium Ion Battery Performance

Operating Time: 10 hours

Charge Time: 4 hours maximum with included charger

### Operating Conditions

Operating Temperature Range: 0°C to 45°C

Storage Temperature Range: -20°C to 45°C

Calibration Background Gas: Air

### Dimensions

Unit Weight: 2.15 lbs, 975 g

Total Length: 6.8 in.

Total Width: 3.4 in.

Depth: 1.4 in.

Probe Length: 7.8 in.

Probe Tip Diameter: 0.5 in.

Probe Handle Diameter: 1.2 in.

Coiled Cord Length Retracted: 26 in.

Coiled Cord Length Extended: 72 in.

Coiled Cord Diameter: 0.7 in.

Certifications:  

