

Specialty Gas Equipment

Hydrogen Leak Detector

MISCELLANEOUS EQUIPMENT

Description: Airgas's HY-ALERTA™ 500 Handheld Hydrogen Leak Detector is a 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. It has an operating time of 10 hours and an operating temperature range of 0°C to 45°C.



Design Features

- **Easy Operation:** There is no need for peripheral equipment; has a flexible cable; no training needed to use, 'Plug-and-play'
- **Versatile:** Can respond to a wide range of hydrogen gas concentrations from 15 ppm to 100% hydrogen by volume; operating temperature range of 0°C to 45°C, storage temperature range of -20°C to 45°C; calibration background gas is air
- **Rechargeable Battery:** Has an operating time of 10 hours; 4 hours maximum with included charger

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	26in.
Coiled Cord Length Extended	72 in.
Coiled Cord Diameter	0.7 in

Certifications



Ordering Information

Part Number	Description
Y80-HHA500	Handheld hydrogen leak detector