

LINQTAPE HDT1S

Hydrogen Detection Tape



- 1 and 2 inch options
- Visual H₂ leak detection
- 7,080V Breakdown voltage

LINQTAPE™ HDT1S is an advanced solution for the visual detection of hydrogen gas leaks. This tape undergoes a rapid color change – transitioning from amber to black in as little as 10 seconds when exposed to hydrogen gas. The speed of this color transformation is contingent on factors like flow rate, temperature, time, and hydrogen percentage.

LINQTAPE™ HDT1S provides an effective means of detecting gas leaks, significantly improving response time by facilitating the identification of intermittent leaks. Its high sensitivity allows it to detect hydrogen leaks with concentrations as low as 1% H₂, making it a reliable safety net in various applications.

LINQTAPE™ HDT1S can be used in a variety of indoor or outdoor environments. It outperforms conventional portable or stationary sensors, offering superior detection and precise identification of hydrogen leak locations. This tape is less influenced by external factors such as wind, position, duration, or user skills. It provides comprehensive visibility, allowing for easy inspection of vertical and bottom faces.

Specifications

Property	Value	Unit
Color	Amber	-
Adhesive Type	Silicone	-
Film Thickness	25.4 (1)	um (mil)
Adhesive Thickness	35.56 (1.4)	um (mil)
Release liner	None	-
Total Thickness	60.96 (2.4)	um (mil)
Temperature Resistance	60	°C
Tensile Strength	36	lbs/in
Elongation	67	%
Breakdown Voltage	7,080	V

Storage and Handling

Shelf life is 1 year if stored in a dry and cool, well ventilated place at room temperature.

The product is supplied in rolls and should be kept in a cool (10°C – 25°C) dry place (25% – 50% humidity) away from direct sunlight or temperature extremes. Once removed from packaging it should be protected against dust and other impurities.

Europe

Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada

80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



North America

36927 Schoolcraft Rd
Livonia, MI 48150
United States
Phone: +1 (313) 558-8243
Email: info@caplinq.com

South East Asia

S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60 (12) 4302223
Email: info@caplinq.com