



## TRACE 100/101 Portable Hydrogen Detector



*Take full advantage  
of H<sub>2</sub> tracer gas  
detection*

### FEATURES

- Dual mode, detection & measurement
- Real-time digital indication of leak size
- Large LCD display
- Lightweight, hand-held and battery operated
- High selectivity sensor, even in difficult and/or polluted areas

### BENEFITS

- No gas saturation
- High precision

### APPLICATIONS

- Refrigeration unit
- Chemical and petrochemical reactors
- Valve
- Welded assembly
- Heat exchanger
- Alternator cooling circuit
- Buried pipe
- Bladder

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## SPECIFICATIONS

### Technical details

#### Control panel

- Detectable hydrogen concentration:  
1 ppm (parts per million)
- Sensitivity:  $1.10^{-6}$  mbarl/s  
(with standard gas mixture of 5 % H<sub>2</sub> and 95 % N<sub>2</sub>)
- Response time: 1 second
- Warm up time including self-check:  
1 minute (approx.)
- Battery: sealed and rechargeable
- Battery endurance: 4 hours
- Battery charger:  
110-230 Vac / 50-60 Hz / 12 Vcc
- Weight: 600 g / 1.3 lbs
- Size: 235 × 118 × 45 mm /  
9.2" × 4.6" × 1.8"




#### Operating conditions

- Temperature:  
+0°C to +50°C / 32°F to 122°F
- Humidity: 90% maximum




The battery must not be charged in explosive areas.

#### Certifications

-  **ATEX:**  
INERIS 08 ATEX 0039  
II 1 G  
Ex ia IIC T4 Ga  
T<sub>amb</sub> : 0°C to + 50°C  
Zone 0 Catégorie 1  
According NF EN 60079-0 2009  
and NF EN 60079-11 2021
-  **CSA (on request):**  
Ex i-Class 1 Div 1 Group D-T4 Vmax = 7.5 V  
Installation drawing: DP 100 01 02 01 01 00
-  **CE for all components**

## EQUIPMENT LIST

PRODUCT	P/N	DESIGNATION	PICTURE
Trace 100	TRACE100	Includes: • hydrogen detector (x1) • local probe (x1) • battery (x1) • battery charger (x1) • carrying case (x1) • instruction manual (x1)	
Trace 101	TRACE101	Includes: • Trace 100 kit (x1) • ATEX certified safe probe (x1)	

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