

# T8999 Hydrogen Leak Detector

Ideal for finding small and big leak



The T8999 instrument is the only hydrogen leak test instrument in the world that is capable of depressurising your part: this procedure allows for maximum accuracy once the tracer gas has been introduced. It also allows you to perform a pressure drop leak test, to detect the largest leaks and avoid hydrogen wastage.

# Hydrogen leak test to verify the location of the leak

Known for its high sensitivity, its wide dynamic leak range and its short recovery times, T8999 has proven to be a perfect instrument for leak detection in production and maintenance.

## DETECT A WIDE RANGE OF LEAK SIZES

T8999 is the perfect fit for industrial applications where it is important to locate leaks quickly and where leak testing in the production flow must not be impeded by any individual large tracer gas leak. The instrument detects from very small to huge leaks and is the ideal choice for testing products that should be leak tight for fluids.

T8999 not only features even quicker reaction times, but also much faster recovery. In essence, this means that you are now able to find those smaller leaks even easier – without ever compromising your ability to find the larger ones as well. It also means that you will be ready for a small leak right after you have detected a huge leak.

Furthermore, the T8999 features improved display and communications, for increased user-friendliness and control over the sniffing leak detection procedure.

## LOW COST OF OWNERSHIP

T8999 uses inexpensive forming gas (5% hydrogen in nitrogen) as tracer gas. In addition, with a longer sensor lifetime, no moving parts and no need for maintenance, the instrument lowers your total cost of ownership making it a great choice.

## ADVANTAGES AT A GLANCE

- Faster throughput for locating tasks
- Reduces risk of missing small leaks
- Finds and withstands the widest range of leak sizes
- Resilient to high tracer gas backgrounds
- More effective than soap spray
- Longer sensor lifetime
- Low cost of ownership

## TYPICAL MARKETS

Suitable for a broad spectrum of production applications within:

- HVAC/R
- Mobility & Automotive
- Battery
- Industrial Manufacturing

### HAND PROBE

- Light and ergonomic, comfortable operation
- Narrow probe tip for easier access in complicated spaces
- Resilient to high background levels of gas as well as to dust and dirt
- Available with fixed or flexible neck



### INTUITIVE INTERFACE

- Large and bright full color touch display with high resolution
- Intuitive HMI
- Ready to use in less than a minute
- Possibility to choose between 2 modes (Hydrogen Leak Test, Pressure decay leak test)
- Password protected user levels



### IMPROVED COMMUNICATIONS

- USB-B for recipe back-up, data storage and PC connection
- Plug-and-play for accessories
- Fieldbus Interface for Profibus, PROFINET, Ethernet TCP/IP and Ethernet/IP



## SPECIFICATIONS

|                                                |                                                              |
|------------------------------------------------|--------------------------------------------------------------|
| Min. detectable leak (Locating Mode)           | 0,01 cc/min with 5% H <sub>2</sub>                           |
| Start time                                     | 40 sec                                                       |
| Calibration                                    | External calibration leak or calibration gas                 |
| In- and outputs                                | USB-B (RS232, USB-Memory)                                    |
| Maintenance                                    | Maintenance free                                             |
| Power supply                                   | Desktop model: 100 or 240 V (ac), 50/60 Hz, or 24 Vdc        |
| Dimensions (W x H x D)                         | Desktop model: 270 x 160 x 300 mm<br>(10.6 x 6.3 x 11.8 in.) |
| Weight (exclusive probe, probe cable and case) | Desktop model: 8 kg (17 lb.)                                 |