



# HLD 700 automatic Leak detection system

## **Measurement accuracy in a new dimension**

As usual, the further developed integrity testing system resom **HLD 700 automatic** stands for measuring precision in a new dimension. The next evolution of our HLD 600 automatic leak detection system, which has been tried and tested since 2015, offers our customers even more comfortable work with the new implemented touchscreen. Furthermore, the new TOB (Tracergas Operating Box) makes the handling of the tracer-gas uncompounded. Our **HLD700 automatic** therefore continues to guarantee absolutely precise, fully automatic integrity testing of heat exchangers in an assembled state.

## **Efficient and accurate measurement**

The highly sensitive resom **HLD 700 automatic** works on the basis of the hydrogen method and can thus spot even the smallest leaks or material weaknesses. It detects the diffusion of H<sub>2</sub> molecules across the metal and hence spots any material fatigue at an early stage prior to any leakages occurring. Microbiological contamination of your products due to micro-cracks in the plates or tubes of the heat exchanger can thus be prevented. The purity of your products is safeguarded.

Even outward leaks, such as those caused by brittle or poorly installed gaskets, can be detected and proven with the resom **HLD 700 automatic**.

## **Fully automatic control**

The fully automatic control of the new system excludes any improper handling of the device and thus prevents a variety of malfunction sources, which makes the work of the person doing the testing much easier and also safer.

At the same time, the integrated software **HLDsoft** creates the inspection reports automatically after the integrity testing. Comparing measurement results has therefore become easier. The inspection protocol issued automatically with each measurement provides you with a quick overview of all relevant parameters and allows a complete documentation for perusal by your quality management department.

## **Tailor-made solutions**

Depending on customers' requirements, our measurement experts will test your heat exchangers directly on location or will provide you with an individual offer for purchasing the resom **HLD 700 automatic**.



**Our accuracy is your safety**

# HLD 700 automatic

Leak detection system



## Area of applications

- Plate heat exchangers
- Tubular heat exchangers
- UHT plants

## Benefits and Specification

- fully automatic test system for safe and easy handling
- integrated software **HLDsoft** for automatic execution of test cycles and automatic report generation of measurement results
- automatic test protocol issued for quality assurance
- 100% safety by means of innovative gas-test, the safest testing method from a technical and physical point of view, using only food-graded test gas (E949)
- constant availability of the device and thus independent inspection of the heat exchanger at your manufacturing facility
- handy and mobile form of the entire test equipment for easy transportation to all test-relevant facilities
- compact and robust housing, ideally for the industrial environment of the food and beverage industry
- swivelling **HLD 700** with touchscreen
- no opening of the heat exchanger before and during testing required

## Technical Data

**Sensitivity**

**Tracergas**

**Response time**

**Calibration**

**Membrane pump**

**Measurement cell**

**Software**

**Display**

**Mains connection**

**Casing dimensions L x W x H**

**Casing material**

Micro leakages down to 5µm can be detected

5 - 10% hydrogen and 90 - 95% nitrogen

< 1 sec.

On-board calibration with calibration gas

MP 55

Fully automatic

**HLDsoft**

**HLD 700** Touchscreen

100 - 220V / 50 - 60Hz

530 mm x 461 mm x 1127 mm

Aluminum coated

