

# GLD10 GAS LEAK DETECTOR

for Helium and Hydrogen tests



## DESCRIPTION

Gas Leak Detector GLD10 is a compact-size **leak testing system** operating with **hydrogen** and **helium tracer gases**. Process control and monitoring are provided by an electronic device with an intuitive interface.

**The unit allows leak detection at the lowest measurable levels.** Thanks to the implementation of the advanced data transmission protocol and easy, user-friendly control interface, GLD10 guarantees complete integration with the latest production management systems based on the specification of industry 4.0.

It is prepared to work e.g. in automatic industrial leak detection systems, industrial vacuum processes, and in the production of automotive parts or consumer electronics with heat pumps.

## TECHNICAL DATA

### GLD10

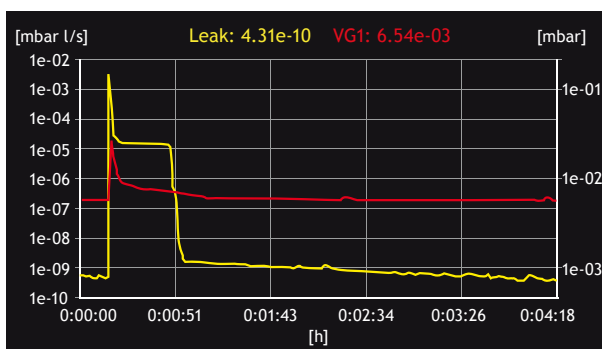
Min. detectable leak rates (He):  
 $\leq 5e-12$  mbar · l/s for ULTRA MODE (>5 l/s He pumping speed)  
 $\leq 1e-10$  mbar · l/s for FINE MODE (1.7 l/s He pumping speed)  
 $\leq 1e-7$  mbar · l/s for STANDARD MODE

Max. inlet pressure  
 0.2 mbar for ULTRA MODE  
 1.0 mbar for FINE MODE  
 20 mbar for STANDARD MODE

Measuring units	mbar · l/s, Pa · m <sup>3</sup> /s, atm cc/s, Torr · l/s
Response time	<1 s
Ion source cathode	2 yttrium/iridium
Vacuum connections	DN 16 KF, DN 25 KF
Dimensions	333 x 273 x 270 mm (WxHxD)
Weight (approx.)	13.5 kg

### GLD10-PS

Digital inputs and outputs	10 inputs / 8 outputs
2 analog outputs	0 - 10 V
Communication protocols	Modbus RTU - interface: RS232/485 Modbus TCP - interface: Ethernet
User interface	7" TFT display with touchscreen
Interface languages	English, German, Polish
Dimensions	212.6 x 128.4 x 260.3 mm (WxHxD), 1/2 of 3HE 19"
Weight (approx.)	3.8 kg



- Prepared for integration with industrial PLC systems for serial testing
- High resolution
- High reliability
- Easy to connect
- Suitable for automated processes



## OPTIONS

Backing pump	TRIVAC D4 B
Calibrated leak	range e-7 mbar · l/s
Connecting cables	1 m / 3 m / 5 m / 10 m
Sniffer	4 m



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