

HUNTER Tracer Gas

Gas detection device for easily locating even the smallest leaks in water and heating pipes using forming gas



- Enables an extremely simple and cost-effective method for locating leaks
- Highly sensitive hydrogen sensor with a resolution of 0.1 ppm H₂
- Integrated pump with high flow and vacuum performance
- Extremely fast reaction to the slightest traces of hydrogen
- Second sensor for precise pinpointing in probe holes

PICTURES OF APPLICATION



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Forming gas has been used for a long time to locate leaks that cannot be found with the standard methods, electro-acoustic leak detection or correlation. With this method (also called tracer gas), the gas (5 vol.% hydrogen and 95 vol.% nitrogen) is injected into the pipeline under pressure.

It is then transported through the water pipe and escapes through the leak after a short time. The hydrogen contained in the forming gas is lighter than air and rises upwards. At the surface, it can be easily detected with the HUNTER Tracer Gas and corresponding probes and the leak can be localized in this way. The method offers advantages when acoustic methods reach their limits, e.g. due to increasing noise pollution from road traffic and plastic pipelines. It also saves expensive and time-consuming excavations at suspected leakage points.

The new HUNTER Tracer Gas is the consistent further development of our previous popular model. We have retained the proven technology, e.g. the semiconductor sensor for the gas detection range. This means that a very fast reaction time and stability of the measured value are still achieved, so that even the smallest spread of gas can be reliably detected.

For better readability, the device has a significantly larger display with higher resolution. In addition, the communication options via Bluetooth have been expanded to enable a connection to our online portal Esders Connect.



TECHNICAL DATA

Display	LCD graphic display 240 x 160 Pixel; with touch functionality; billuminable, Display of measured value, maximum value and bar graph
Power supply	Lithium-Ionen 3,6 V, 6.700 mAh
Charging	Charging cradle supplied by 12 Volt or 230 Volt, approx. 5 hours
Operating time	> 10 hours (without backlight)
Operating temperature	-10 °C to +50 °C
Data Storage	> 2.000.000 measurement values
Protection category	IP 52
Dimensions	205 x 105 x 86 mm without couplings
Weight	approx. 1.115 g
Measuring principle	semiconductor, thermal conductivity
Measuring range	0 to 1.000 ppm H ₂ , Resolution: up to 0,1 ppm 0,1 to 5,0 Vol.% H ₂ , Resolution: 0,1 Vol.%
Pump capacity	> 40 l/h, > 300 mbar

Technical specifications subject to change! Status 2024/02

