HUNTER

Gas detection and gas measurement device for the systematic pipe network inspection of buried gas pipelines

- Safe measurement of the smallest gas concentrations, humidity-compensated sensors
- Individual configuration of the sensors enables different areas of application
- Functions and menu according to german DVGW worksheet G 465-4
- Fast and uncomplicated gas test
- Calibration and adjustment possible directly on the device
- Operating time of at least 10 hours for an intensive working day
- Bluetooth technology for simple and fast data transmission
- Connection to Esders Pi NOTE (GIS software) available for complete documentation

PICTURES OF APPLICATION

HUNTER

Our new **HUNTER** is the consistent further development of our previous successful model. We have maintained 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 guaranteed, so that even the smallest spread of gas can be detected reliably. 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.

In order to be able to offer a holistic solution for the most common work in the course of pipe network inspection, the device can be equipped with additional sensors for further applications on request.

The following applications according to DVGW G 465-4 are possible:

Leak detection above ground
(measuring range 1 ppm to 2,2 Vol.-% CH_4)

Leak detection in buildings
(measuring range 1 ppm to 2,2 Vol.-% or 100 Vol.-% CH_4)

Leak detection of accessible pipes on plants
(measuring range 1 ppm to 2,2 Vol.-% CH_4)

Measuring gas concentrations in probe holes (pinpointing)
(measuring range 0 to 100 Vol.-% CH_4, O_2 and CO_2)

Pipe filling / gas purity
(measuring range from 0 to 100 Vol.% CH_4 and O_2)

Quick gas test

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 (depending on the duration of the measurement)
Protection category	IP 52
Dimensions	205 x 105 x 86 mm without couplings
Weight	approx. 1.115 g
Measuring principle	Semiconductor, Infrared*, Electrochemical*
Measuring range/ Display range	0 to 1.000 ppm CH_4, Resolution: up to 1 ppm 0,1 to 2,2 Vol.% CH_4, Resolution: 0,01 Vol.% 0,1 to 100 Vol. CH_4, Resolution: 0,1 Vol.%* 0 to 20 Vol.% CO_2, Resolution: 0,1 Vol.%* (Display range up to 100 Vol.%) 0 to 25 Vol.% O_2, Resolution: 0,1 Vol.%*
Pump capacity	> 40 l/h, > 300 mbar

* Optionally configurable

Technical specifications subject to change! Status 2022/09

Esders GmbH • Hammer-Tannen-Str. 26-30 • D-49740 Haseluenne
Phone +495961/9565-0 • info@esders.de • www.esders.de