



IRwin™

Mobile Methane Leak Detector

HIGHLY RELIABLE GAS PIPE NETWORK SURVEY WITH INNOVATIVE INFRARED TECHNOLOGY

IRwin™ is a portable, intrinsically safe, innovative gas detector. The instrument was developed in accordance with the DVGW (German Technical and Scientific Association for Gas and Water) directive. IRwin, together with accessories specially designed for gas leak detection, allows for easy and effective survey of gas pipelines.

The integrated proprietary IR sensor has a very short reaction and recovery time. This property avoids false leak alarms and ensures correct and fast leak evaluation.

In addition to the traditional operating modes required by DVGW G 465-4, such as "Inspection above-ground" and "Measuring bar holes," IRwin is also able to measure methane in a Universal Measuring Mode from 1 ppm to 100 Vol.%.

FEATURES AT A GLANCE

- Light and easy to move around for maximum ergonomics
- Methane-specific measurement with IR-technology
- 100% distinction between natural gas and marsh gas
- No manual switching through Universal Measuring Mode (1 ppm – 100 Vol% for CH₄)
- Measurements possible even in extreme environments (robust housing)
- Waterproof - (IP65)
- Integrated GPS chip allows reliable survey tracking
- Wireless communication system for easy data transfer
- High sensitivity, quick reaction and short recovery time (improved IR sensor technology)



PRACTICAL AND USER FRIENDLY

IRwin and its accessories, such as an ergonomic carrying and probe system, have been designed and developed for mobile use in demanding conditions.

In particular, its modular probe system limits the number of extra items needed to be carried by the operator during pipeline survey. Thanks to practical quick fittings the user can always apply the correct probe for his specific working situation. The carrying system is designed for optimized ergonomics and good weight distribution.

The state of the art lithium batteries charge quickly and perform for long periods of time in the field before needing to be recharged. The instrument is fully charged within 1.5 hours and partially (50%) charged in less than 40 minutes.

SPECIFICATIONS

Detectable gases	methane, carbon dioxide, carbon monoxide, oxygen, hydrogen sulfide, ethane, propane and butane
Sensitivity	1 ppm bis 100% CH ₄
Operating time	min. 8h
Power supply	Li-ion battery, 100% in 1.5 hours; 50% in <40 min
IP protection	IP65
Operating temperature	-15° to + 40°C (5° to 104°F)
Storage temperature	-25° to + 70°C (-13° to 158°F)
Air Humidity	max. 95% RH, non-condensing
Dimensions (W x H x D)	175 x 281 x 63 mm (6.8 x 11 x 2.4 in.)
Weight	ca. 1.4 kg (3 lb.)

ORDERING INFORMATION

For more information, call us at +49.221.56788-0 or send an e-mail to sales.europe@inficon.com



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