

Innovation is a matter of detail

THE IRWIN INTELLIGENCE

In order to avoid misleading measurements or false alarms, IRwin features an infrared sensor in combination with a methane specific filter. Only a narrow spectrum of light reaches the sensor, which produces remarkably precise measurements.

Our advanced sensor technology also allows IRwin to differentiate between biogas and natural gas. It also prevents interference from water vapor, ethanol or exhaust gas to measurements.



DETECTOR MODELS	IRwin S	IRwin SX	IRwin SXG	IRwin SXGT
Inspection above ground	■	■	■	■
Measuring in bar holes	■	■	■	■
Enclosed spaces		■	■	■
House		■	■	■
Measuring gas purity		■	■	■
Explosion warning		■	■	■
Ethane analysis			■	■
Warning ExTox				■

TECHNICAL DATA

Detectable gases	Methane, Carbon dioxide, Carbon monoxide, Oxygen, Hydrogen sulfide, Ethane, Propane and Butane
Sensitivity	1 ppm to 100% CH4
Operating time	min. 8 hours
Power supply	Li-ion battery, 100% in 1.5 hours; 50% in <40 minutes
IP protection	IP65
Operating temperature	-15°C to +50°C (5°F to 122°F).
Storage temperature	-25°C to +70°C (-13°F to 158°F)
Air humidity	max. 95% RH, non-condensing
Dimensions (W x H x D):	167 x 247 x 59 mm (6.6 x 9.7 x 2.3 in.)
Weight	ca. 1.4 kg (3 lb.)

ORDERING INFORMATION

Name	Part no.
IRwin S	580-000*
IRwin S kit (Methane and Carbon dioxide)	580-001**
IRwin SX	580-010*
IRwin SX kit (Methane and Carbon dioxide)	580-011**
IRwin SXG	580-020*
IRwin SXG kit (Methane, Carbon dioxide, Ethane, Propane and Butane)	580-021**
IRwin SXGT	580-030*
IRwin SXGT kit (Methane, Carbon dioxide, Ethane, Propane, Butane, Oxygen, Hydrogen sulfide and Carbon monoxide)	580-031**

* Mobile Methane Leak Detector with hand-probe, 1.5m hose, bag, shoulder strap, adapter for charging, car adapter for charging.

** Mobile Methane Leak Detector with hand probe with 1.5m hose, rod, rod extension, carpet, bell, bag with shoulder strap, carrying case, filter kit, adapter for charging, car adapter for charging.

COMPLETE ACCESSORIES

Carpet Probe "MONO Wheeler"	580-210	
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Bell Probe	580-300	
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ACCESSORY PARTS

Carpet	580-211	
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Bell	580-301	
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Hand Probe	580-100	
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Rod	580-150	
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Rod Extension	580-160	
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Bag incl. Shoulder Strap	580-402	
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Transport Case	580-450	
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Mat	581-127	
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Harness	580-400	
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IRwin™

Mobile Methane Leak Detector

INNOVATIVE METHANE DETECTOR SYSTEM FOR EASY SURVEY OF GAS PIPELINES

Innovation is a matter of difference

INNOVATIVE INSTRUMENT AND PROBE SYSTEM

IRwin is a portable, intrinsically safe gas detector, developed in accordance with many national directives.

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 the specific working situation. The carrying system is designed for optimized ergonomics and good weight distribution.

IRWIN SENSOR TECHNOLOGY

The integrated proprietary IR sensor has a very short reaction and recovery time. This feature avoids false leak alarms and ensures correct and fast leak evaluation. With the specially developed GC and sensor combination, a guaranteed 100% distinction between natural gas and marsh gas became reality.

FEATURES AND BENEFITS

- Methane-specific measurement with IR-technology
- High sensitivity, quick reaction and short recovery time (improved IR sensor technology)
- 100% distinction between natural gas and marsh gas
- >8 hours operating time in 1.5 hours charging time
- Light and easy to move around for maximum ergonomics
- Measurements possible even in tough environments (robust housing)
- Wireless communication system for easy data transfer
- Integrated GPS chip allows reliable survey tracking
- Waterproof (IP65)



Ergonomic equipment and easy-to-handle probe system

DURABLE CONSTRUCTION FOR USE IN TOUGH ENVIRONMENTS



CLEAR AND EASY TO READ DISPLAY FOR A SMOOTH SURVEY IN BRIGHT LIGHT



SMALL AND ROBUST HAND PROBE FOR QUICK SURVEY IN HARD-TO-REACH AREAS



CARPET PROBE "MONO WHEELER" FOR EASY SURVEY OF LARGE SURFACES



BELL PROBE, DESIGNED FOR EFFICIENT DETECTION OF GAS ON ALL SURFACES



MODULAR PROBE SYSTEM FOR QUICK CHANGE TO APPROPRIATE PROBE



QUICK LOCKING CARPET FOR EASY LIFTING



“The modular system of IRwin makes it easy to adapt to different surfaces and situations.”

