

6

GREAT TIPS

FOR SUCCESSFUL GAS SURVEY

IRwin® Methane Leak Detector



- Intrinsically safe
- Infrared
- GPS
- Gas Chromatograph
- *Bluetooth®* wireless technology

1 SURVEY EQUIPMENT

BASIC NEED



IRwin Detector



2.5 % Natural Gas
(for calibration)



Bell Probe

SPECIAL NEEDS



IRwin Remote
Control Software



IRwin App



2 OPERATION

FAST START UP

<1 Min

ONE MODE

0 ppm–100 vol %

DOCUMENT YOUR WORK

Digital mapping of survey
enabled via GPS and Bluetooth®

**DRILL LESS
BAR HOLES**
Draws gas through
surfaces

FAST LEAK PIN-POINTING

- Rapid reaction
- Rapid recovery
- No false alarms

**SWAMP GAS
IDENTIFIER**
On board GC

A surveyor in a yellow vest and blue pants stands on a winding grey road. He is holding a surveying pole. Five blue location markers with white circles are placed along the road, indicating survey points. The background is a light green field.

3 CARE



EASY FOR THE OPERATOR TO:

- Make function test
- Make calibration
- Change filters

4 CALIBRATION

On demand flow
regulator (ODFR)



2.5 vol %
Natural Gas

Only for "G"-models



GC-mix:
1000 ppm methane
200 ppm ethane
1 % propane

CALIBRATION FOR UNIVERSAL MODE

LOW RANGE

Air and 2.5 vol %

+

HIGH RANGE

2.5 vol % and 100 vol %

5 SWAMP GAS IDENTIFICATION

TWO ALTERNATIVES

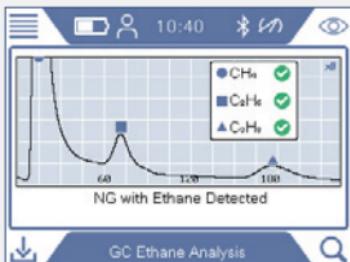


FASTER <1 MIN

IR-Ethane analysis

Needs higher concentration

Needs: Approx. 3–15 vol % NG



SLOWER <4 MIN

Gas Chromatograph (GC)

Needs lower concentration

Needs: >1000 ppm NG

The IR-Ethane analysis can be used as a rapid first indicator prior to the GC, which is a more sensitive and accurate analysis

6 TECHNICAL DATA

EX CLASSIFICATION	AEx ia IIC T3 Ga (Zone 0) Class I, Division 1, Groups B, C and D
RANGE	1 ppm–100 vol % CH ₄
IR SENSOR	Proprietary IR sensor
IP PROTECTION	IP54
WEIGHT	1.6 kg, 3.5 lb
BATTERY TIME	>8 hrs
CHARGING TIME	<4 hrs + Fast charge option
MODELS	S, SX, SXT, SXG, SXGT
SIZE	197 x 256 x 62 mm 7.7 x 10 x 2.4 in.

Find more tips and tricks about IRwin on:

www.inficon.com

Or ask us: reachus@inficon.com

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Instruments for Quality Assurance
in Public Utilities



www.inficon.com reachus@inficon.com

Due to our continuing program of product improvements,
specifications are subject to change without notice.

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