6

GREAT TIPS

FOR SUCCESSFUL GAS SURVEY

IRwin® Methane Leak Detector

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

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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

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   +   **HIGH RANGE**
Air and 2.5 vol %   2.5 vol % and 100 vol %

5 SWAMP GAS IDENTIFICATION

TWO ALTERNATIVES

FASTER <1 MIN

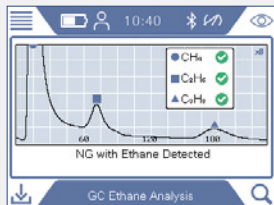IR-Ethane analysis

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 A, 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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