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
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
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 %
**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 % CH₄ |
| 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