

11

GREAT THINGS

TO KNOW ABOUT YOUR
IRwin® Methane Leak Detector



1 START UP

Turn the device on and wait a maximum of 2 minutes, while the instrument is warming up, and performing a self test. It also connects the GPS receiver to available satellites. At the end of the self test you must confirm that the sound and light performs correctly. Once this is done you are all set to start using the instrument.

Turn the instrument off by pushing the ON button and hold for a few seconds. You will be asked to confirm shut down.



2 GAS CHROMATOGRAPH (IRwin SXG and SXGT models only)

The gas chromatograph has the advantage that it only needs 1000 ppm natural gas to perform the gas analysis. It differentiates between swamp gas and natural gas from 0.5% ethane level, in less than 2 minutes. You may not even need to drill to get a sample – just draw the gas through the surface with help of the bell probe.



3 BRING ALL YOU NEED FOR A DAY'S WORK

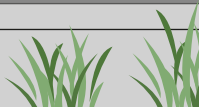
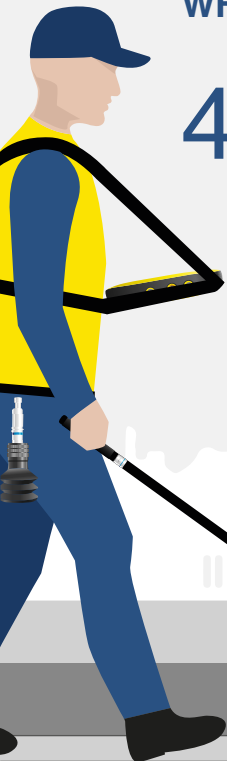
During a day's work you will encounter different leak detection situations. The modularity of the IRwin system limits the number of items you must carry. Three probes are available: Hand Probe, Bell Probe and Mono-wheeler Carpet Probe. Just clip the Bell Probe to your belt, connect the Hand Probe to the Carpet Probe, and off you go!



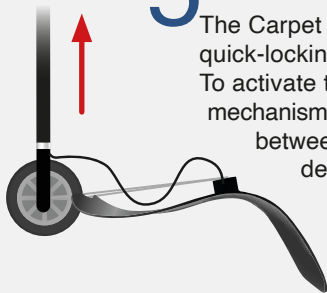
HOW TO USE THE MONO-WHEELER CARPET PROBE

4 GUIDE IT!

Use the Mono-wheeler Carpet Probe for walking gas surveys over large distances. Thanks to the mono-wheel it is extremely easy to control and steer. Hold the handle gently and guide it along in front of you (pushing the probe) or alternatively behind you (pulling the probe). The mono-wheel design will allow you to center the inlet right over cracks on the surface, even if they are against a wall or on the edge of a curb.



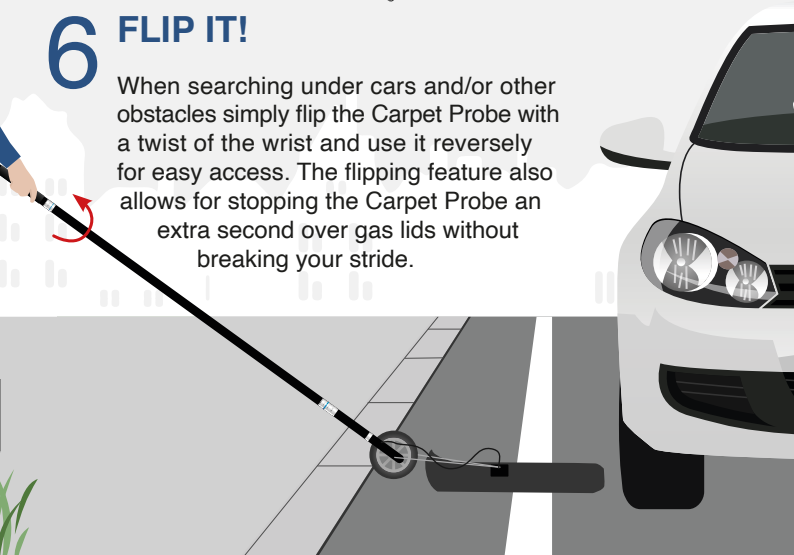
5 LIFT IT!



The Carpet Probe features an optional quick-locking mechanism for easy lifting. To activate the fork-to-carpet locking mechanism just lift the rod before the angle between carpet and rod reaches 90 degrees. Disable the locking mechanism by setting the Carpet Probe back on the ground with some force.

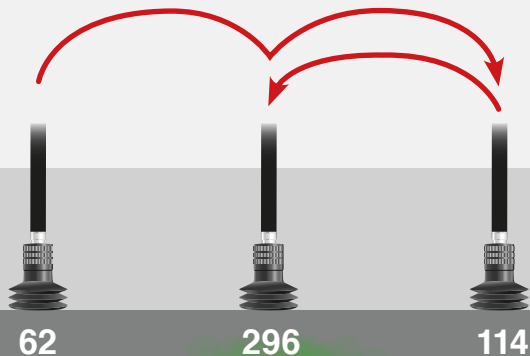
6 FLIP IT!

When searching under cars and/or other obstacles simply flip the Carpet Probe with a twist of the wrist and use it reversely for easy access. The flipping feature also allows for stopping the Carpet Probe an extra second over gas lids without breaking your stride.



7 HOW TO USE THE BELL PROBE

Use the Bell Probe for pin-pointing the leak position. Detach the Carpet Probe and attach the Bell Probe in its place. The IRwin pump draws gas through the Bell Probe quickly from all sorts of surfaces including asphalt and concrete. By letting the Bell Probe draw gas for a few minutes from one spot – you will get a steady state measurement that will enable you to pinpoint where the concentration peaks in an area. This may in many cases make drilling bar holes unnecessary. Should you still need to drill – there is an automatic Bar Hole testing function.



8 HIGH SELECTIVITY

The IRwin IR sensor is highly sensitive and selective to methane. This means that you will not get false leak alarms even when working in a busy street with lots of traffic and pollution.



9 HIGH DISPLAY QUALITY

The IRwin has a high quality color display. It is splash proof, readable even in strong sunlight and its screen content rotates with the position of the instrument.



10 GPS AND DATA TRANSFER

When the device receives a GPS signal, it automatically sets the date and time (UTC). If the device does not receive any GPS signal, move it to facilitate signal reception.
Icon permanently on = connected with GPS.
Icon flashing = still looking for satellites.

The built-in Bluetooth® interface allows you to download your day's work to a computer which gives the possibility to display surveys on electronic maps. You can also display measurements real-time by using Bluetooth® and a free software supplied by INFICON.



11 MAINTENANCE

It is a good habit to regularly check and change filters. Replace filters if they are worn or dirty. The User Manual will show you how to change them. Changing is simple and can be done in the field with a minimum of tools. If the Carpet Probe bottom filter becomes flooded with water all you need to do is, to take it out, squeeze the water out of it and put it back.



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Due to our continuing program of product improvements,
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