

## **DP-IR™** *Detector Pac-Infrared* - Infrared measuring technology for leak survey



The DP-IR™ (Detector Pac-Infrared) uses advanced optical technology to achieve a detection sensitivity of 1 ppm by means of IR-CIPS (Infrared Controlled Interference Polarization Spectrometry).

This rugged and easy to use instrument combines the excellent measuring properties of a flame ionisation detector (FID) with the ease of use of gas-sensitive semiconductor systems.

It does not require any fuel gas and is methane specific. This technology is proving to be an invaluable tool in network survey applications.

### **Kit Contents**

- Detector Pac-Infrared (DP-IR™), measuring instrument with self-testing function
- Carrying strap, detachable wrist strap and padded shoulder strap
- Charger, universal charger 110 – 240 V AC, 50 / 60 Hz
- Operating instructions on CD
- Carrying case, high-quality hard-top case with foam insert
- Telescopic bell probe
- Soil probe
- Replacement filter



## Technical Data

Measuring principle:	IR-CIPS (Infrared Controlled Interference Polarization Spectrometer)	
Measuring range:	0 – 10 000 ppm, 0 – 100 % gas	
Sensitivity steps:	0 – 1000 ppm: 1 ppm 1000 – 10 000 ppm: 5 ppm 1 – 100% gas: 0.5 %	
Accuracy:	Better than +/- 0.5 % or +/-10 % of the display value (typical, normal conditions) (% gas with manual operation)	
Alarm modes for detection:	<u>DMD (Digital Methane Detection):</u> Acoustic signal when alarm threshold is exceeded, adjustable between 1 and 9000 ppm  <u>Audible gas level indication:</u> Concentration-dependant ticking signal	
Self-test and calibration:	Integrated self test and calibration function. Test gas cell integrated in device.	
Compliant with standards:	EN 61326-1 Grid-bound faults Class B Radiated faults Class B ANSI C63.4 Class B FCC 47 CFR, Part 15 Class B	EN 61326-1 EN 61000-4-2 4 kV/8 kV EN 61000-4-3 3 V/M
Display:	Large, easy to read LCD with backlight (0.75 inch, numeric)	
Operating temperature:	-17 °C – +50 °C (0 – + 122 F) (nominal battery voltage)	
Humidity:	5 – 95 % relative humidity (non-condensing)	
Protection class:	IP54 (protected against water spray and dust)	
Weight:	2.54 kg (5.6 lbs).	
Weight and dimensions of carrying case:	5.90 kg (13 lbs) empty, 9.52 kg (21 lbs filled) approx. 62.2 cm x 53.3 cm x 22.9 cm (24.5 inches x 21 inches x 9 inches)	
Power supply:	Integrated lithium-ion rechargeable battery or external 12 V DC car battery with optional noise filter	
Battery operating life:	8 hours at 0 °C (32 F) with backlight switched off	
Charger:	External universal charger, 110 – 240 V AC, 50 / 60 Hz. 10 hours up to 90 % charge	
Speaker volume:	108 dBs @ Alarm-Port (A-fast)	
Intrinsic safety:	Class 1, Department 1, Group DT3 UL 913 MetLab No. E112840	

Please contact us for a comprehensive quote, including additional technical specifications and information on accessories.  
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