

DP-IR

A new look in survey



The **HEATH** Detecto Pak-Infrared (DP-IR™) is a highly advanced technology capable of detecting methane without false alarming on other gases. The DP-IR is the latest of a new generation of leak survey instruments from **HEATH** that will greatly improve the productivity and safety of a walking/mobile survey.

The DP-IR functions by using an infrared optical gas detection system. This instrument is intended to replace the current surveying equipment using the traditional Flame Ionization with next generation technology utilizing a simple light beam, eliminating the need for expensive gas cylinders and refill systems. It is designed to be selective to detecting methane only, and will not false alarm on other hydrocarbon gases.

The DP-IR operates under a variety of environmental conditions including cold or hot weather. Its rugged design will stand up to normal field use and operating conditions.

The DP-IR has built-in Self-test and Zero functions that will assure that the instrument is operating properly. Using the internal calibration cell, the operator can perform the self-test as part of a daily start up routine. While in operation, the DP-IR continuously monitors several parameters to ensure that the instrument is functioning properly. Should any of these parameters go outside of the operational limits, an audible alarm will sound and a Fault/Warning error message will be displayed.



See back for specifications and ordering instructions

DP-IR



DP-IR Kit includes:
Carrying case, battery charger, shoulder strap, survey probe, bar hole probe, dust filters, water filter and CD manual.

Detection Method:	Infrared Controlled Interference Polarization Spectrometer		
Measurement Range:	0 to 10,000 PPM 0 to 100% Gas		
Display Range:	Auto Ranging: PPM: 0-10,000 %Gas: 1-100%	Manual Ranging: PPM scale: 0-10,000 %Gas scale: 0-100%	
Sensitivity:	0-1000 PPM: 1 PPM	1000-10,000 PPM: 5 PPM	1-100%Gas: 0.5%
Accuracy:	Greater of +/- .5% or +/- 10% of reading (typical, std condition) (%gas on manual mode)		
Detection Alarms Modes:	Digital Methane Detection (DMD): Audible tone when detection threshold exceeded. Adjustable Alarm Level from 1 to 9,000 PPM Tick: Continuous audio tone relative to concentration		
System Fault Warning:	Audible tone and indication on the display		
Self Test & Calibration:	Built in Self Test and Calibration function verifies operation and adjusts calibration for maximum sensitivity. Test gas cell integrated within the instrument.		
Compliance:	EN 61326-1 Conducted Emissions Class B Radiated Emissions Class B ANSI C63.4 Class B FCC 47 CFR Part 15 Class B	EN 61326-1 EN 61000-4-2 4kV/8kV EN 61000-4-3 3 V/M	
Dust Filter:	Replaceable filter provides dust protection. Easy change out quick disconnect filter cap.		
Display:	Large easy to read backlit LCD (.75" Numeric)		
Operating Temperature:	0 to + 122 F (-17 to 50 C) (nominal battery voltage)		
Humidity:	5 to 95% RH, non-condensing		
Enclosure:	IP54 (Water splash and Dust resistant)		
Instrument Weight:	5.6 lbs.		
Carry Case:	13 lbs empty; 21lbs filled 24.5" x 21" x 9"		
Power Supply:	Internal rechargeable Li-ion battery or External 12vdc car battery with power conditioner		
Battery Operating Life:	8 hours at 32° F with out backlight on		
Battery Charger:	External, in-line, 110 - 240 VAC, 50 / 60 hertz. 10 hours to 90% charge		
Shoulder Strap:	Single over the shoulder padded stra		
Alarm Volume:	108 dBs @ Alarm port (A-fast)		
Survey Probe:	Quick connect fitting with locking clasp. Adjustable length from 25" to 41"		
Bar hole Probe:	Std: 20"; Optional 36"		
Intrinsic Safety:	Class I Division I Group D T3 UL 913 MetLab #E112840		

Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.



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