



SOUTHERN CROSS

'46 Hawk Natural Gas Detector

The Southern Cross '46 Hawk is a natural gas detector that uses an internal, low-intensity laser to measure methane through an absorption spectroscopy detection technique.

The '46 Hawk's laser technology eliminates the need for combustible fuels and makes the '46 Hawk suitable as both a gas leak survey tool and a combustible gas indicator (CGI). The '46 Hawk is like two devices in one.



The '46 Hawk is very compact, weighs only three pounds and is easily hand carried almost anywhere as it requires no shoulder straps, tubes, harnesses or accessory cords. The flexible probe and extendable stiffener provide leak survey technicians flexible configurations for probing and inspecting buried pipes and above-ground assets. If a buried pipeline gas leak is detected, the survey technician can remove the flexible probe, attach the bar hole probe, and pinpoint the leak via bar holes without having to switch equipment for a separate CGI.

The '46 Hawk is powered by a rechargeable Nickel-Metal-Hydrate (NiMH) battery for approximately 12 hours of continuous use. There is also a backup battery bay for two AA-size disposable lithium batteries that provide an additional 6-8 hours of operation for up to 20 hours of total operation.

The '46 Hawk stores monthly calibration data in memory and the data can be downloaded in Microsoft® Excel file format.

Gas Leak Survey Technician Using '46 Hawk and Bar Hole Leak Pinpointing Technique



SOUTHERN CROSS '46 HAWK

Laser Technology Eliminates
Combustible Fuels

Methane Detection Methodology
Eliminates False Alarms

Replaces Combustible Gas
Indicators (CGIs) in Leak Surveys

Pinpoints Underground Gas Leaks with
Attachable Bar Hole Probe

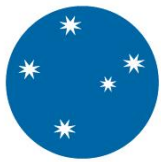
<1ppm Methane Sensitivity

Fast Startup and 1-2 Second
Response Time

Up to 20 Hours of Battery
Endurance

Low Battery Warning Indicator

Stores and Exports Calibration Data



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Each '46 Hawk is shipped in a rugged, foam-lined carry case along with a battery charger, four auxiliary batteries, probe filters and a PDF file containing operator instructions, a service parts list and an accessory list.



When purchased with optional mounting kits and auxiliary probe assemblies, the '46 Hawk can be mounted on automobiles, all-terrain vehicles and other approved vehicles. In vehicle-mounted configurations, the '46 Hawk dramatically increases leak survey technician productivity, coverage and effectiveness.

'46 Hawk with Optional ATV Accessory Probes and Mounting Assemblies



'46 Hawk with Optional Vehicle Accessory Probes and Mounting Assemblies



Specifications:

Operating Temperature:	-10 F to +120 F
Instrument Weight:	3 lbs. (1.36 kg)
Telescoping Probe:	Extends from 6 to 28 inches (15.2 cm to 71.1 cm); 1 lb. (0.45 kg) 20" (50.8 cm) bar-hole probe
Measuring Technique:	Absorption spectroscopy using low-intensity laser calibrated to methane only
Sensor Range:	1-500 ppm, 1%-100% LEL 5%-100% gas
Sampling Rate:	1200 cc/minute, nominal
Response Time:	1-2 seconds
Meter Readout:	Digital meter (2-1/4 x 5/8") with backlight
Alarms:	Pulsating audible and visual alarm for leak indications. No false alarms.
Battery Type:	Nickel-Metal-Hydride (NiMH) rechargeable battery pack
Battery Charger:	110 VAC, 60 HZ
Daily Operating Life:	Approx 12+ hrs with full battery charge. Backup disposable lithium batteries provide an additional 6+hrs. Display provides battery charge and low battery warning. One-button operation
Control:	One-button operation
Data-logging:	Stores calibration data permanently
Carrying Case:	Fiberglass reinforced nylon case 22"L x 17"W x 9"H
Warranty:	One year parts and labor (excluding unauthorized modification)

Ordering Information:

Part Number	Description
SCC 46HK.046	'46 Hawk with Foam-lined Carry Case, 4-each AA Backup Batteries, Battery Charger, Probe Filters, Operations and Service Manual and Calibration Instructions
SCC 46HK.181	'46 Hawk Calibration Kit
SCC 46HK.491	'46 Hawk Spare Parts Kit

The Southern Cross Hawk is proudly manufactured and serviced in the United States of America. For additional information, please contact Southern Cross.

Southern Cross Products are distributed locally and available from:

SECOR
www.secoronline.com
281-556-1661