

'46 Hawk



**Tools
Technology
Training**

'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 compact, weighs three pounds and is easily hand carried almost anywhere. It requires no shoulder straps, tubes, harness, 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. The '46 Hawk also stores monthly calibration data in memory and the data can be downloaded in Microsoft Excel.

'46 Hawk Attachments

The '46 Hawk can be mounted on an automobile, All Terrain Vehicle (ATV), or other approved vehicles. In mounted configurations, the '46 Hawk increases leak survey productivity, coverage, and effectiveness. The '46 Hawk can easily be removed for portable survey and CGI pinpointing use. The unit draws samples into six drag tubes, and an alarm amplifier mounted inside the case produces a loud sound and activates a bright red signal as the device alarms. Using these added survey methods will allow you to increase both productivity and the areas that can be surveyed.









'46 Hawk Specifications

Operating Temperature:	-10° F to +120° F
Instrument Weight:	3 lbs. (1.36 kg.)
Telescoping Probe:	Extends from 6" to 28" (15.2 cm to 71.1 cm) 1 lb. (0.45kg.) 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/min, 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:	Approximatley 12+ hours with full battery charge. Backup disposable lithium batters provide an additional 6+ hours.
Control:	One-button operation
Data-logging:	Stores callibration data permanently
Carrying Case:	Fiberglass reinforced nylon case 22"L x 17"W x 9"H
Warranty:	One year parts and labor (excluding unauthorized modifications)

Ordering Information:

-  SCC 46HK.048 [Part Number]
'46 Hawk with foam-lined carry case, 4 AA backup batteries, battery charger, probe filters, operations and service manual, and calibration intructions
-  SCC 46HK. 181 [Part Number]
'46 Hawk Calibration Kit
-  SCC 46HK. 164 [Part Number]
'46 Hawk 1000 ppm Calibration Gas
-  SCC 46HK.491 [Part Number]
'46 Hawk Spare Parts Kit

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