

PORTABLE FLAME IONIZATION DETECTOR

SLEUTH

FEATURES

- Measures Hydrocarbon leaks from 1 to 10,000 ppm
- Extended range to 100,000 ppm with optional range extender
- Response time of less than 2 seconds
- Proven FID technology for reliability and speed
- Quick fasten probes and accessories
- Highly portable at 3.7 Kg with robust design
- Easy to reach in areas that are hard to access
- Rechargeable batteries last for 15 hours
- Up to 60 hours usage time from single H2 cylinder
- Optional Trigger Accessory for vehicular mounting enables high speed surveying (30 Km/Hr)
- Shoulder strap and protective hard carry case
- Geiger counter style click
- Crescendo alarm, rising with concentration levels
- Optional earphones for noisy or public areas
- Very quick to read analogue display with twin ranges
- Pump flow indicator for optimum sample flow
- Pressure dial for Hydrogen cylinder pressure check
- Battery level indicator
- Complete with boom and sample tubes
- Output for data logging
- Sleuth can be easily removed for increased mobility



Sleuth offers outstanding performance and reliability for detecting Hydrocarbon gases at very low concentration levels. Using Flame Ionization Detection (FID) technology, **Sleuth** is the benchmark for quick and cost-effective gas leak detection.

Sleuth is simple to use, easily transported to difficult to reach locations and is able to detect gas leaks in less than 2 seconds. When vehicle mounted on to the optional Trigger unit, **Sleuth** converts to a high speed survey instrument capable of operating at up to 30 km/h. With over 5,500 units sold to gas utilities worldwide, **Sleuth** has been proven to reduce leakage and shrinkage from gas distribution networks and will demonstrate a quick return on your investment.



CEA Instruments, Inc.

"EXPERTS IN TOXIC GAS DETECTION"

SLEUTH SPECIFICATIONS

Sensor Type:	Flame Ionization Detection (FID) using Hydrogen gas
Maximum Range:	10,000 ppm (standard) 100,000 ppm (with optional range extender)
Filter Type:	Particle and hydrophobic
Response Time:	<2 seconds
Hydrogen Cylinder Life:	60 hours
Calibration Period:	Every 6 months
Display Type:	Analog with user selectable ranges
Display Range:	0-1,000 ppm (R1) 0-10,000 ppm (R2)
Battery Display:	Analogue display with low-level warning
Hydrogen Display:	Pressure dial for Hydrogen cylinder levels
Flow:	Integrated flow meter with user control
Audible Alarm Type:	Geiger style click
Alarm Frequency:	1 Hz tick at 0 ppm rising to 3 KHz (maximum reading)
Volume:	User selectable with integral loudspeaker
Flame Alarm:	"Flame Out" warning with tilt switch activation
Dimensions L x W x H:	330 x 120 x 230 mm
Weight:	3.7 Kg (with cylinder)
Batteries:	Rechargeable lead acid
Battery Life:	15 hours

Standard Accessories:

- Angled Probe
- Shoulder Strap
- Rechargeable H2 Cylinder
- Battery Charger
- Particle and Hydrophobic Filters
- DIN Socket for Charging and Data
Logger Connection

Optional Accessories:

- Trigger Survey Kit
- Earphones
- Spare H2 Cylinder
- Range Extender (>100,000 ppm)
- Different Probe Assemblies

(Specifications subject to change without notice.)



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SLEUTH PRICE LIST

Portable FID Analyzer For Hydrocarbon Measurements

Package includes Hydrogen gas cylinder (5/8" UNF thread), angled probe, 110 VAC battery charger, filters, and heavy duty carry case.

	Part Number	Price
Sleuth (US Threads – No Cylinder)	99F64003	\$ 5,998.00

Sleuth Options	Part Number	Price
Trigger' - Mobile Survey System	99F66001	\$ 2,884.00
Hydrogen Filling Panel – UK Cylinders	99F03001	\$ 1,990.00
Range Extender (x 10)	RAN99001	\$ 1,280.00
Straight Probe Attachment	PRB64001	\$ 102.00
Probe - Cup Attachment	PRB99007	\$ 128.00
Bore Hole Gas Probe Attachment	PRB99006	\$ 300.00
Calibration Gas Kit (Methane 200 ppm)	OPT99001	\$ 300.00
Kit for Clean Air Zeroing	OPT99002	\$ 382.00
Electronics Sensitivity Tester	OPT64001	\$ 280.00
Acoustic Earphones	EAR99001	\$ 126.00

Sleuth Spares	Part Number	Price
Battery Charger - 12V 1A – 110/230 VAC	CHG64003	\$ 296.00
Electrical Earphones	EAR99002	\$ 265.00
Probe Filter Assembly Kit	FIL99016	\$ 87.00
Battery - 6V lead Acid	BAT64001	\$ 30.00
Filters - Paper (x 400)	FIL99039	\$ 116.00
Filters - Hydrophobic (x 5)	FIL99013	\$ 53.00
Carbon Cloth Filter Assembly Kit	FIL99014	\$ 66.00
Filters - Carbon Cloth (x 10)	FIL99015	\$ 20.00
Insulated Probe Handle	HND64001	\$ 76.00
Angled 'Coathanger' Probe Attachment	PRB64002	\$ 132.00
Carrying Case for Sleuth and Accessories	CAS64006	\$ 648.00
Instrument Case	CAS64001	\$ 216.00
Carrying Strap	STP64001	\$ 38.00