

# PORTABLE FLAME IONIZATION DETECTOR

## AUTOFIM II

### FEATURES

- Intrinsically Safe certified for hazardous area protection
- Accurate, reliable, and highly sensitive to Hydrocarbons
- Full range of measurement from 0 to 10,000 ppm
- Optional range extender allows for higher detection
- Light, compact unit offers rapid two (2) second response
- Easy to operate with user-friendly, menu-driven software
- Displayed in both digital and analog formats
- Variable pitch audible output and adjustable alarm level
- Backlight allows viewing in dark spaces
- Datalogging as standard with data transfer to PC
- Logging on demand and timed interval logging
- Memory capable of storing 200,000 individual readings



Monitoring gases in confined and potentially explosive situations has become increasingly important particularly in the wake of new environmental legislation.

**Autofim II** gives you the flexibility and confidence that you need to detect, measure and analyze Hydrocarbon gases in virtually any hazardous location from petrochemical plants and gas works to landfill sites. These versatile products cover a wide range of applications including: volatile organic compound monitoring, fugitive emissions, process control, gas leak surveying, contaminated land and landfill sites.

**Autofim II** is fast, accurate, reliable and, most importantly, Intrinsically Safe. The system can operate for over 40 hours without changing the batteries or cylinder. However, replacement of these in the field is a simple operation for remote or extended use.



**CEA Instruments, Inc.**

*"EXPERTS IN TOXIC GAS DETECTION"*

## AUTOFIM II SPECIFICATIONS

<b>Range:</b>	0 to 10,000 ppm (Methane)
<b>Detection Limit:</b>	0.1 ppm (Methane)
<b>Response Time:</b>	Less than 3 seconds
<b>Hydrogen Cylinder Discharge Time:</b>	Refillable: Up to 45 hours Disposable: Up to 30 hours
<b>Sample Flow Rate:</b>	700 ml/min (automatically controlled)
<b>Display:</b>	240 X 64 pixels (132 x 370 mm)
<b>Power:</b>	Battery life: Up to 40 hours with 6 MN1400 Duracell Alkaline batteries (certified Intrinsically Safe)
<b>Operating Temperature:</b>	0°C to 40°C
<b>Operating Humidity:</b>	30% to 90% ERH non-condensing
<b>Dimensions:</b>	370 (L) x 135 (W) x 225 (H) mm
<b>Weight:</b>	4.2 Kg with refillable H2 cylinder
<b>Audio Output:</b>	Variable pitch and adjustable volume
<b>Electrical Output:</b>	Infrared fiber optic cable to RS232 link
<b>Certification Approvals:</b>	EEx ib IIC T4, EEx d IIC T4
<b>Standards:</b>	EN 50014, EN 50018, EN 50020
<b>RF Radiation:</b>	EN 50081-1
<b>RF Immunity:</b>	EN 50082-1

### Standard Accessories:

Fitted carrying case with strap  
Telescopic probe & detachable survey head  
Rechargeable Hydrogen cylinder  
Batteries  
Particulate and hydrophobic filters  
Downloading kit with fiber optic RS232 link

### Optional Accessories:

Range extender / diluter  
Acoustic earphones  
Bore hole probe or roller probe  
Spare fuel cylinders Range of GC columns  
Hydrogen filling panel  
Integraf GC SW package (PC)  
Calibration kits: Methane in balanced air and clean air zero kits

(Specifications subject to change without notice.)



## CEA Instruments, Inc.

160 Tillman Street, Westwood, N.J. 07675 U.S.A.  
Telephone (201) 967-5660 Fax (201) 967-8450  
E-Mail: ceainstr@aol.com Website: www.ceainstr.com



# CEA Instruments, Inc.

160 Tillman Street

Westwood, N.J. 07675 USA

Phone (201) 967-5660 Fax (201) 967-8450

Website: [www.ceainstr.com](http://www.ceainstr.com) E-mail: [ceainstr@aol.com](mailto:ceainstr@aol.com)

## AUTOFIM II PRICE LIST

### Intrinsically Safe Portable FID Analyzer For Hydrocarbon Measurements

Package includes Hydrogen gas cylinder (5/8" UNF thread), fiber-optic link for data downloading, telescopic probe, filters, disposable batteries, & heavy duty carrying case.

	<b>Part Number</b>	<b>Price</b>
<b>Autofim II</b>	99F62001	\$ 17,000.00
<b>Autofim II Options</b>		
GC Column - Pentane/Hexane/Heptane/Octane	COL99001	\$ 440.00
GC Column - Benzene in Petrol	COL99002	\$ 440.00
GC Column - Methane/Ethane/Propane	COL99003	\$ 121.00
Hydrogen Filling Panel	99F03001	\$ 1,990.00
Range Extender	RAN99001	\$ 1,280.00
Acoustic Earphones	EAR99001	\$ 130.00
40CL Hydrogen Cylinder Assembly (AF)	CLY99003	\$ 390.00
Cylinder Carrying Case	CAS99002	\$ 160.00
Calibration Gas Kit (Methane 200 ppm)	OPT99001	\$ 300.00
Intergraf Software	SFW99005	\$ 102.00
Kit for Clean Air Zeroing	OPT99002	\$ 384.00
Straight Telescopic Probe Extension	PRB99005	\$ 80.00
Bore Hole Gas Probe Attachment	PRB99006	\$ 300.00
Probe - Cup Attachment	PRB99007	\$ 128.00
<b>Autofim II Common Spares</b>		
Telescopic Probe Kit	PRB99011	\$ 510.00
Tee Probe Assembly Only	PRB99014	\$ 118.00
Telescopic Probe Assembly Only	PRB99015	\$ 346.00
Filters - Paper (x 400)	FIL99039	\$ 116.00
Filters - Hydrophobic (x 5)	FIL99013	\$ 56.00
Filters - Carbon Cloth (x 10)	FIL99015	\$ 20.00
Glow Plug Kit	GLP99001	\$ 33.00
Carbon Cloth Filter Assembly Kit	FIL99014	\$ 68.00
Calibration Gas Canister (Methane 200 ppm in air)	CYL99009	\$ 95.00
Filter Assembly Kit	FIL99016	\$ 95.00
Carrying Strap	STP60001	\$ 40.00
Exhaust Sinter - AF II	SIN60001	\$ 105.00