

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

INLEC.COM

DATA-SHEET



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WHY BUY
WHEN YOU CAN HIRE



Transportable Multi-gas monitor

Detective

Detective, the transportable detector, is the solution to all your temporary area and fence protection needs.

Used singly or linked together, Detective gives a loud and clear alarm providing effective warning of gas hazards on an area basis. The rugged water and impact resistant design and clear information display make Detective the ideal choice for your transportable gas detection needs.

Superb pedigree

- Detective is based on the highly successful Triple Plus multi-gas monitor which has sold over 40,000 units worldwide

Extremely loud and clear alarms

- Wailing omni-directional siren, 101 dBA @ 1 metre
- High intensity LED clusters provide visual indication of alarms
- All linked Detectives indicate an alarm sensed by any one unit
- Units actually sensing alarm have faster LED flash
- Audible and visible confidence blip

Uniquely rugged, tripod construction

- Detectors are fully protected, even if device is overturned
- Raised detectors prevent water ingress
- Easy to set up
- Light, stackable design for easy transportation

Large four gas, simultaneous text display

- Clear information, allows identification of gas hazard
- Easy tracking of multiple hazards

Detective



Specification

Weight	8.5 kg (19lb)		
Dimensions	660 h x 380 w x 380 d mm (26 x 15 x 15 inches)		
Typical measuring ranges and alarm settings (up to four gas measurement channels)		<i>Standard Range</i>	<i>Typical Alarm Levels</i>
	Flammable gas	0 – 100% LEL	20% LEL
	Oxygen	0 – 25%	19% & 23%
	Hydrogen sulphide	0 – 50 ppm	10 ppm
	Carbon monoxide	0 – 500 ppm	35 ppm
	Sulphur dioxide	0 – 10 ppm	2 ppm
	Chlorine	0 – 5 ppm	0.5 ppm
	Nitrogen dioxide	0 – 10 ppm	2 ppm
	Phosphine	0 – 5 ppm	0.5 ppm
	Ammonia	0 – 50 ppm	25 ppm
	Hydrogen (<i>non-flammable levels</i>)	0 – 2000 ppm	–
	Hydrogen cyanide	0 – 25 ppm	10 ppm
	Hydrogen chloride	0 – 10 ppm	5 ppm
	Ozone	0 – 1 ppm	0.5 ppm
	Other sensors available Other ranges and alarm levels available		
Typical response times	Methane 20 s, Oxygen 10 s, Typical toxic gas 20 s.		
Expected sensor life	Flammable 5 years, Toxic 3 years, Oxygen 2 year minimum.		
Audible alarms	Wailing, omni-directional siren, 101 dBA @ 1 metre. Confidence blip (selectable). Continuous tone for low battery.		
Visible alarms	Four large, top-mounted red LED clusters and single red LED on control panel. In alarm mode LED clusters flash in pairs in quick succession and control panel LED lights on those Detectives sensing the hazard. LED clusters of linked Detectives repeating the alarm, flash more slowly. Slow flashing green LED indicates normal working. Rapid flashing green LED indicates low battery.		
Display	2 lines of 24 characters, dot matrix high contrast LCD with back light operating for 30 minutes. Values and units for up to 4 gases displayed simultaneously at current, TWA or peak levels. Low battery, real time and elapsed time, calibration and configuration data also displayed.		
Datalogging	Adjustable sample rate, 100 hours @ 1 minute sample rate (maximum 6000 data points per channel).		
Battery	6 V, 4.8 Ah Sealed lead acid battery pack		
Battery life	Standard instrument: 24 hours minimum, depending on sensors.		
Battery charging	Built-in battery charging circuit, dual rate Input 100 - 250 V ac (Safe Area operation only) Typical charge time: 5 - 6 hours		
Operating temp. range	-20°C to +50°C (-4°F to 122°F).		
Humidity	0 – 95% RH non condensing.		

Approval codes	Europe USA and Canada	EEx iad IIC T4 Class 1 Division 1, Groups A, B, C, D
Standards	Europe USA and Canada	EN50014, EN50020, SFA3009 CSA 22.2
Ingress protection	IP65	
RF radiation	tested to EN55022 class B and meets EN50081-2	
RF immunity	tested to IEC801-3 and meets EN50082-2	
PC Interface	Detective has an in-built PC interface, which can be connected to the serial port of a computer using the RS232 lead. The PC software Crowcoms 2000 can be used to set alarms, clock, datalogging interval and password. Crowcoms 2000 also controls datalogging, giving the user a datafile compatible with all leading spreadsheets.	
Autocalibrator	Detective can be routinely calibrated quickly and simply using Autocalibrator. The internal pump of Autocalibrator handles up to five gases. A PC interface provides easy access with optional datalogging for proof of calibration.	
Accessories	Baffle plate (to protect sensors) Interconnecting lead - 10 m standard Computer lead - RS232 serial link Aspirator Manual bulb and 2 m hose, both non-absorbent and hydrocarbon resistant, 1 m probe, water trap and extra hose available	

Linked Detectives



INLEC, supporting you to deliver a world class service, every day, in every sector ...



OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

Europe's leading Test Equipment Hire Specialist



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