smiths detection

LCD 3.3™

COMPACT, WEARABLE CWA IDENTIFIER AND TIC DETECTOR

Based on leading IMS technology, the LCD 3.3 is a light and versatile chemical warfare agent (CWA) and toxic industrial chemical (TIC) detector.

LCD 3.3 is an advanced warning device, that alarms to gas and vapour threats detected and identified at or below immediately dangerous to life and health (IDLH) levels, by determining the agent or type, class, concentration and dosage of chemical exposure. It can also be used as a screening and survey device.

Flexible mounting options allow the LCD 3.3 to be handheld or clipped to a belt, harness or shoulder strap, to enable the user to undertake their primary role without obstruction. Features include both audible and visual alarms plus a clear, easy-to-read liquid crystal display. performance, and delivers reliable, trustworthy performance consistent with high quality Smiths Detection solutions.

ReachBack, first rate 24/7/365 service and support to ensure optimum product performance, and delivers reliable, trustworthy performance consistent with high quality Smiths Detection solutions.

The device is very simple to operate and requires no calibration or complicated routine maintenance. The impressive performance of the LCD 3.3 combined with its ergonomic design and functionality provides a wide range of user capability while ensuring a minimal logistical burden.

LCD 3.3 was selected by the US DoD for the Joint Chemical Agent Detector (JCAD) programme.

The LCD 3.3 is backed by first-rate service, training and support to ensure optimum product performance.

Smiths Detection is a leading worldwide provider of government regulated technology products and advanced services that aid in the detection and identification of chemical, biological, radiological, nuclear and explosive (CBRNE) material and other dangerous or illegal substances.

Feature Highlights

- Combined CWA and TICs detection library
- Up to 75 hours continuous use from a single set of commercial AA batteries
- Operates reliably in extreme environments
- Uses advanced, non radioactive IMS technology
- Integrates with Smiths Detection's Sensa-LINX wireless communications network

General Specifications

Size	10.6 x 18.0 x 4.65 cm (4.17 x 7.08 x 1.83 in)
Weight	0.58kg (1.3 lbs.) including batteries
Power	9 Vdc 110/240V ac using PSU (Power Supply Unit)
Batteries	4 x AA lithium iron disulphide or 4 x AA alkaline manganese dioxide (rechargeable NiMH AA batteries can be used)
Detection Technology	Advanced non rad Ion Mobility Spectrometry
Agents Detected	Nerve, blood, blister, choking and a selected library of TICs
Accessories	Additional accessories are available to increase the capability of the LCD 3.3
Colours	Green or black
Standard Menu Languages Available	English, French, German and Spanish. Additional language configurations will be considered upon request.
Software Development Kit (SDK)	Provides 3rd party integrators and OEMs with the software to interface LCD 3.3 with a variety of platforms
Wireless networks	Integrates with Smiths Detection's Sensa-LINX wireless communications network
Operating temperature range	-32°C to 60°C (-25.6°F to 140°F)
Operating humidity range	0 to 100% RH

Three modes of operation:

- **CWA & TICs**: for the detection of chemical warfare agents and toxic industrial chemicals
- **CWA Only**: for the detection of chemical warfare agents
- **Survey**: for the detection of residual persistant contamination following decontamination

Detects, identifies, measures and warns personnel of chemical agent threats at levels below attack concentration.

Easily user configured via the integrated menu driven display.

Supplied with a carrying pouch to allow hands-free operation. The pouch can be mounted on clothing, belt, harness or shoulder strap.

The flexibility of LCD 3.3 can be further enhanced with the addition of a power & communications adaptor (PCA) for remote monitoring and multi-role applications, enabling connectivity via USB or RS422 serial protocols.

Can be integrated into vehicle systems or onto robots with the AIM (Auto Inlet Module) accessory to provide remote and automatic operation.

The unit can be fitted with a survey nozzle (supplied) to aid in the detection of residual persistent contamination whilst in survey mode.

Data logging records up to 72 hours of mission data for future analysis.

Built-in RS232 connectivity for data downloads and post-mission analysis.

Designed to meet the requirements of MIL STD 810G and MIL STD 461F (certificates available on request).

For product information, sales or service, please go to www.smithsdetection.com/locations

Smiths Detection, 459 Park Avenue Bushey, Herts WD23 2BW UK

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