

M90-D1-C

Chemical Warfare Agent Detector



www.environics.fi

M90. The right choice for the 21st Century. Today's Chemical Warfare threat surpasses the traditional battlefield environment, and places the public and local First Responders in harm's way to an extent that has never been experienced before. This expanded role requires more than a traditional Chemical Detector; it necessitates a system that is proven, reliable and affordable, but first and foremost one that performs when called upon.

- Fielded in both land and naval environments from the great deserts to the frozen Arctic M90 has proven its ruggedness and operational readiness.
- In urban, fixed installations such as in Subway systems M90 has proven its long-term reliability while operating 24 hours a day, 7 days a week for minimal maintenance costs.
- Across the board, M90 has demonstrated greater readiness and lower Life-Cycle Support costs than its competitors; and meets or exceeds current US requirements for detection performance while delivering outstanding interference rejection.

Features And Benefits

- Fast detection of all current threat CWAs
- Continuous real time operation
- Multi-role, Detector and Monitor
- Broad range of operating and storage environments
- Maintenance free storage
- Low Life-cycle Support Costs
- Proven performance in both open air and laboratory agent/interferent environments
- Flexible communications interface and network ready

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Chemical Warfare Agent Detector

Technical Data

Size (H x W x L):

280 x 105 x 280 mm (11 x 4.1 x 11 in.)

Weight:

4.7 kg (10.4 lbs) w/o battery

Power:

12 Vdc, 85...264 Vac with Power Supply

Battery:

NiMH (rechargeable) or Lithium Sulfur
Dioxide (NSN)

Data Interface:

RS-232 or RS-485

NATO Stock Number

6665-01-408-5108

Agent Sensitivity

Nerve < 0.1 mg/m³

Blister < 2.0 mg/m³

Environmental

Operating Temperature:

-30 to +55°C (-22 to +131°F)

Storage Temperature:

-40 to +55°C (-40 to +131°F)

Shock:

MIL-STD-810D

Vibration:

MIL-STD-810D

EMI:

MIL-STD-461C

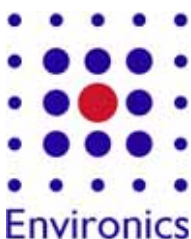
EMP:

MIL-STD-462

M90 uses advanced, proven technology

The M90-D1-C Chemical Warfare detector detects and identifies Nerve, Blister, and Blood agents. M90 utilizes Environics' patented Open Loop Ion Mobility Spectrometry (IMS) technology to provide continuous operation without the need for expendable desiccant cartridges or membranes, like other IMS systems.

Time does matter. We are ready for that.

**Environics Oy**

P.O. Box 349

FI-50101 Mikkeli

Finland

Tel: +358 201 430 430

Fax: +358 201 430 440

E-mail: sales@environics.fi

www.environics.fi

Environics USA, Inc.

4401 Eastport Parkway

Port Orange, FL 32127

USA

Tel: +1 386 304 5252

Fax: +1 386 304 5251

E-mail: sales@environicsusa.com

www.environicsusa.com