



RAID-M 100

- Hand-held Chemical Agent Monitor

Rapid Alarm and Identification Device



Fields of Application

- Counter-terrorism
- Chemical disaster management
- Homeland defence
- Monitoring of hazardous materials
- Decon control
- Non-proliferation measures

Portable and single-handed operation

The RAID-M 100 is a hand held Chemical Agent Detector based on the well established principle of Ion Mobility Spectrometry (IMS). It is designed to detect and identify CWA (Chemical Warfare Agents) and TICs (Toxic Industrial Chemicals) on personnel, equipment, vehicles and on the ground.

The RAID-M 100 is able to detect, classify and identify, quantify and continuously monitor concentration levels of the substances that are profiled in its on-board libraries. Hazard levels are indicated by an incremental bar level display with eight segments. Additionally the RAID-M 100 gives an audible and visual alarm when an agent is detected.



Features

- Detection
- Classification
- Identification
- Continuous monitoring
- Single-handed operation
- Low maintenance
- Minimum Consumables
- Extremely ruggedized

● Safety & Security by Bruker

Vehicle integration

Remote control unit and vehicle mounting are offered as optional components to support the installations of RAID-M 100 instruments in vehicles. Using an EMC unit the instrument can be powered from vehicle's internal 12-32 V DC power.

In this way, and protected from hazardous chemicals, the user can easily operate the RAID-M 100 from inside the vehicle.

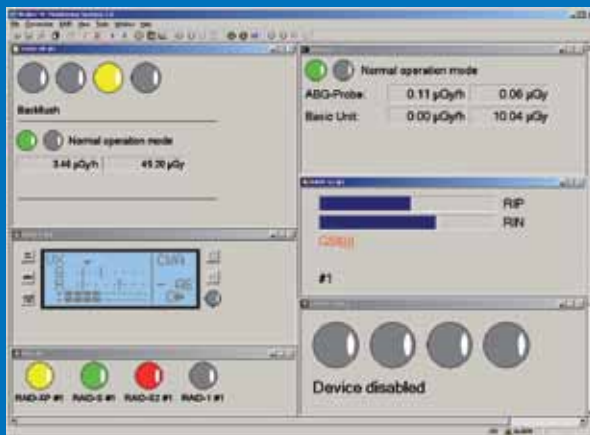


RAID-M 100 with vehicle mounting



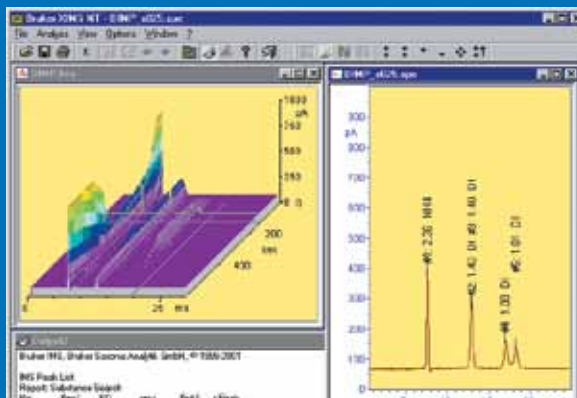
Remote control unit

NC Monitoring software



Monitoring software consisting of three RAID, one SVG 2 with different views and one Remote Alarm Unit.

XIMS-NT IMS Spectra evaluation software



IMS spectra acquisition and substance identification with Bruker XIMS NT.

Bruker's optional XIMS-NT software supports:

- Data acquisition and analysis of two- and three-dimensional IMS spectra on a PC
- An IMS library editor to permit the creation of individual customised libraries

Technical Specifications



Length x Width x Height

400 x 115 x 165 mm

Weight

2.9 kg

3.5 kg (with battery)

Power requirement

12 - 32 V DC

100 - 240 V AC / 47 - 63 Hz

Temperature range

-30 - 50 °C

Substances detectable

(List not exhaustive)

CWA's: GA, GB, GD, GF, VX, HD,
HN, L, AC

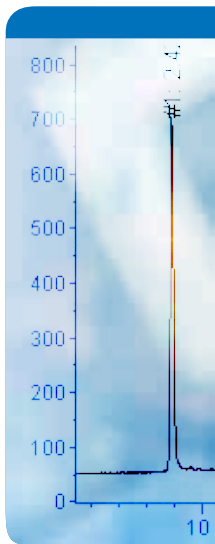
TIC: Cl₂, Chloride (CLx), Cyanide (CY),
SO₂, Toluene diisocyanate (TDI)

Detection range

Low ppb up to several ppm
(substance specific)

Maintenance

Dust, purge and drying filters
can be exchanged by the operator



Türkiye Distribütörü



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