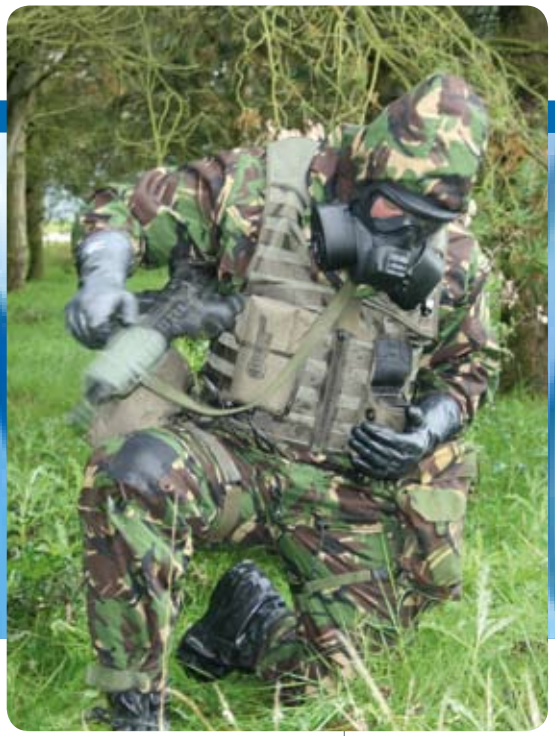


µRAID

- The Compact, Flexible and Reliable Personal Detector

Innovation with Integrity

Defence CBRNE

The Personal Chemical Detector from Bruker's Trusted Technology

Ion Mobility Spectrometry (IMS) based

The µRAID is a compact, easy-to-use IMS based chemical agent detector for personal use.

Rely on performance

Thanks to high levels of interference rejection from technology based on the RAID-M100 in a new compact and lightweight form, and unmatched overall sensitivity in this class of instrument, you can always have confidence in the results.

Stay flexible

A flexible battery concept lets you use commercially available AA or C cells, rechargeable batteries or dedicated battery solutions.

Expect the unexpected

Ready for when you need it, stealth mode operation includes earpiece, Bluetooth data access and night vision compatibility. High altitude operation delivers the superior usability required.

Stay prepared – prepared for the worst

The expandable TIC capability is organized in to five libraries that can be tailored with the relevant instrument dataset for your scenario.

Pouch, carrying and service

Earpiece

Standard battery unit

Expect the Unexpected

Key features

- **Effective substance identification from proven RAID-M100 technology**
- **Unmatched sensitivity in its class**
- **Compact, lightweight and easy-to-use**
- **High altitude operation**
- **Stealth mode**
- **Extensive TIC capabilities**
- **Flexible battery concept**
- **Low through-life costs, maintenance at operator level**

Cost-effective and easy to maintain in the field

Designed for optimal usability on the digital battlefield the µRAID impresses with its minimal logistics requirements. Superior availability in the field is ensured thanks to its consumables being exchangeable at operator level. The drying filter is a consumable with a typical life of not less than 250 hours (depending on environmental conditions). Crucially there is no need to swap out consumables when a chemical agent is detected.

The µRAID comes with key accessories for flexible operational use. Two simulants are included as confidence boosters to assure the user that the equipment is functioning correctly.

Technical Specifications

Length x Width x Height
(65 x 130 x 215) mm including standard battery unit (without air inlet)

Weight
~1.2 kg including standard battery unit and 6x AA cells

Power requirement
Use of commercial batteries (including rechargeable) in the standard battery unit. Use of C-Cells for extended durability and military battery packs in the extended battery unit. Using an interface unit the instrument can be powered from 10 ... 32V DC.

Temperature range
-32°C ... +53 °C operational
-33°C ... +71 °C storage

Detectable substances
CWA: GA, GB, GD, GF, VX, HD, HN, L, AC.
TIC's: Cl2, SO2, Chlorinated Substances, CLX, Phosgene (CG), TDI, CY. The list of TIC's is not exhaustive, further substances can be programmed into the libraries upon request.

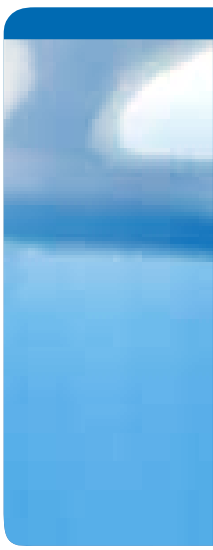
Detection range
ppm to ppb level depending on substance

Interference rejection
Proven Bruker analytical technology derived from RAID-M 100

Maximum operation altitude
400 ... 1400 mBar ambient pressure range abs. (~7000 m / ~21000 ft) climb / descent rate < 10 m/s

Data interfaces (options)
Bluetooth™, USB, RS232 or RS422

Environmental and safety certifications
Meets MIL-STD 810F
Meets MIL-STD 461F; EN61000; EN61326-1
Meets IEC 60529
Meets IEC 61010-1



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