

## Combined Gamma Radiation and Chemical Agent Detectors

These instruments are designed to detect gamma radiation sources and chemical agents. Instruments are equipped with a Geiger-Muller detector for radiation detection and ionizing chamber with a beta source for chemical agent detection. Compact and lightweight these instruments are ideal for radiation and chemical survey.



### PM2012M/PM2012MA/PM2012MB

The device detects and differentiates organophosphorous and arsenic-containing compounds, measures gamma dose and dose rate and provides audible, visual alarms when preset thresholds are exceeded. Its rugged metallic body makes this detector suitable for military applications. Three-level indication for chemical agents. Instrument is powered from one battery of D size, 1.5 V or mains 9–36V by cable or power supply unit 220V/12V.

**PM2012M/MA** transmits all recorded data to a PC via IR channel for data processing and analysis.

**PM2012MB** transmits all recorded data to a PC via USB and Bluetooth 4.0.

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#### Gamma channel:

Energy range: 0.048 - 3 MeV

Dose rate range: 1  $\mu$ Sv/h - 10 Sv/h

Dose range:

0.01  $\mu$ Sv - 10 Sv (PM2012M)

0.01  $\mu$ Sv - 15 Sv (PM2012MA, PM2012MB)

#### Chemical module sensitivity:

Organophosphorous substances, no less:

$5 \times 10^{-5}$  mg/l for 15 s

Arsenic-containing substances, no less:

$2 \times 10^{-4}$  mg/l for 5 s

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