



Radiac Set AN/PDR-77

RADIACS

Description

The AN/PDR-77 is used for nuclear weapons accident response, environmental-level measurement of radiological materials, and monitoring work areas where chemical detectors are stored. It detects and measures alpha and x-ray radiation and also detects beta and gamma radiation. The system incorporates an alpha probe, beta gamma probe, and x-ray probe. The PDR-77 has a digital LCD display, is auto ranging, and has settable audio and/or visual alarm thresholds. The PDR-77 is the primary radiac device to support the storage and movement of nuclear weapons, to respond to nuclear accidents, and to maintain Army equipment containing radioactive materials.



The additional RPO (radiation protection officer) adds a beta pancake and microR probe.

Mission

Detect and measure nuclear radiation from nuclear weapons accidents and other sources.

Capabilities

- Radiological Point Detection
- Measures alpha, beta, gamma, and low-energy X-ray radiation
- Measures environmental levels of radiation
- Measures count rate from 1 cpm to 999,000 cpm

Users

Reserves, National Guard Bureau, Civil Support Teams, US Marine Corps, US Army

Status

N/A

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