

## HUMAN-PORTABLE RADIATION DETECTOR

<b>DESCRIPTION</b>	This instrument comprises several radiation detection components placed inside a backpack or similar enclosure, along with an optional external control device.
<b>RESOURCE CATEGORY</b>	Prevention
<b>RESOURCE KIND</b>	Equipment
<b>OVERALL FUNCTION</b>	This equipment detects the presence of radiological and nuclear material in a wide area around the operator; due to the larger detector element and power source, the detection range of this device may be greater than a Personal Radiation Detector (PRD) or Radio-Isotope Identification Device (RIID)
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>The Agency Having Jurisdiction (AHJ) and requestor should discuss the following prior to deployment: <ol style="list-style-type: none"> <li>Logistics support, such as transportation and personnel</li> <li>Type of incident and event</li> <li>Spare batteries and battery recharging capabilities</li> <li>Additional features, such as dose rate capable, low profile mode, ruggedized, and network capable</li> <li>Global Positioning System</li> </ol> </li> <li>The requestor can request this resource with or without the personnel component of a National Incident Management System (NIMS) Type 2 Preventive Radiological Nuclear Detection (PRND) Screener</li> <li>If the requestor orders this resource without personnel, the AHJ should have a NIMS Type 2 PRND Screener or provide face-to-face training specific to the mission, without lag time between training and mission deployment</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
<b>EQUIPMENT PER RESOURCE ISOTOPE IDENTIFICATION</b>	Same as Type 3	Same as Type 4	Isotopes	No capability	Not Specified
<b>EQUIPMENT PER RESOURCE RADIATION DETECTION</b>	Same as Type 2	Same as Type 3, PLUS: Neutron	Same as Type 4	Gamma	Not Specified

**Superseded**



## Resource Typing Definition for Screening, Search, and Detection Prevention

### NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

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### REFERENCES

American National Standards Institute/Institute of Electrical and Electronics Engineers, Inc. (ANSI/IEEE) N42.43-2006, American National Standard Performance Criteria for Mobile and Transportable Radiation Monitors Used for Homeland Security, May 2007

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Superseded