The state-of-the-art Interceptor™ is a Spectroscopic Personal Radiation Detector (SPRD) combining the qualities of a Personal Radiation Detector (PRD) with isotope identifier capabilities (RIID). It offers superior sensitivity with on-the-spot, accurate identification at an affordable price and in a very compact size.

**Interceptor™**
The next generation SPRD instrument for rapid detection and identification of radioactive materials

- **Finds Faster:** Superior gamma & neutron sensitivity over other PRD's
- **Identifies Promptly & Accurately:** All-in-one Instrument with greater identification accuracy to eliminate nuisance alarms quickly
- **Better Coverage:** PRD wearers can become RIID users as well with Rad ReachBack™ capability
- **Lower Cost of Ownership:** Low acquisition & operational costs through very rugged two-units-in-one instrument design

**Simple to operate**
The Interceptor is operated through three easy-to-use buttons: on/off on top, select & execute on either side with informative display prompts shown in display footer. The high intensity status LED is visible from both top & front with a large, bright, full color display which can rotate 180° at the touch of a button for easy viewing at any angle. The Interceptor also features a powerful loudspeaker for alarm tones, with a proportional tactile alarm.

**Effectively Communicates & Records Results**
The Interceptor can be equipped with a Bluetooth wireless module for immediate reach-back analysis via cell phone or satellite phone to the experts. It also allows event recording with optional built-in VGA resolution digital camera and built-in microphone and voice recorder. The 64MB SD memory card facilitates secure storing of many thousands of results.

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**Features**

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>PRD/RIID capability:</td>
<td>- All-in-one for greater versatility</td>
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<tr>
<td>CZT finder &amp; identification detectors:</td>
<td>- Superior sensitivity with accurate identification</td>
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<tr>
<td>He³ neutron detector:</td>
<td>- High sensitivity to neutrons without gamma crosstalk</td>
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<td>Small &amp; lightweight:</td>
<td>- Can be worn safely &amp; securely in a holster</td>
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<td>Three pushbutton operation:</td>
<td>- Easy-to-use, no PC required</td>
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<td>Top alarm indication:</td>
<td>- Can be worn in holster</td>
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<td>Digital camera, voice recorder:</td>
<td>- Document suspicious objects</td>
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<td>Bluetooth communications:</td>
<td>- Transmit info to third parties</td>
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<td>Low power technology:</td>
<td>- Increased battery life, availability</td>
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</tbody>
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Part of Thermo Fisher Scientific
Interceptor™ Specifications

Available in Four Versions with Many Options
• Interceptor G: advanced gamma finder
• Interceptor GN: advanced gamma + neutron finder
• Interceptor Gid: advanced gamma finder with identification
• Interceptor GNid: advanced gamma + neutron finder with identification

• Finder-only units can be upgraded to identifiers
• Most options can be added at a later date
• Full system offering includes scalable base stations for storage/charging/communication & web based software

Options include:
- digital camera
- enhanced memory (1.0 GB)
- Bluetooth

Interceptor™ Specifications (designed to ANSI N42.32)
• Compact: 4.4" x 2.4" x 1" (112 x 61 x 25 mm)
• Lightweight: 9.5 oz (270 g)
• High-efficiency large volume CZT finder detectors
• High resolution: 0.3" x 0.3" x 0.15" (7 x 7 x 3.5 mm) CZT identification detector
• He3 neutron detector: 8 atm., ½" dia. x 2.6" (13 x 66 mm) at 1.2 cps/nv
• High performance: 2048ch. DSP based MCA with energy compensation doserate algorithm on Finder detectors
• Dust-tight and waterproof: to IP 65
• Operates: from –4 to 122 ºF (-20 to 50 ºC) at up to 95%RH @ 95 ºF
• Supplied standard: with USB communications port
• EMC hardened: to relevant ANSI & CE requirements
• Li-Ion rechargeable batteries and 4 x AA battery pack
• Shock protection: 5 feet (1.5 m) drop onto concrete
• Energy Range: 25 KeV - 3 MeV
• Sensitivity: 1.5 cps/µR/h, 1.2 cps/nv
• Designed and manufactured in the USA

Standard accessories except where noted
1) INTERCEPTOR™ device
2) Holster
3) USB cable
4) External battery
5) Charger connection
6) Charger
7) Software package

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