

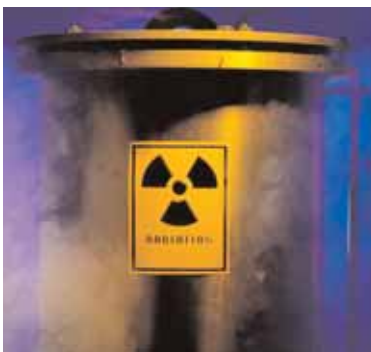
Thermo's state-of-the-art Interceptor™ is a Spectroscopic Personal Radiation Detector (SPRD) combining the qualities of a Personal Radiation Detector (PRD) with isotope identifier capabilities (RIID). It offers superior sensitivity with on-the-spot, accurate identification at an affordable price and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



Features	Benefits
PRD/RIID capability:	- All-in-one for greater versatility
CZT finder & identification detectors:	- Superior sensitivity with accurate identification
He ³ neutron detector:	- High sensitivity to neutrons without gamma crosstalk
Small & lightweight:	- Can be worn safely & securely in a holster
Three pushbutton operation:	- Easy-to-use, no PC required
Top alarm indication:	- Can be worn in holster
Digital camera, voice recorder:	- Document suspicious objects
Bluetooth communications:	- Transmit info to third parties
Low power technology:	- Increased battery life, availability

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 dose rate algorithm on Finder detectors
- Dust-tight and waterproof: to IP 65
- Operates: from -4 to 122 °F (-20 to 50 °C) at up to 95%RH @ 95 °F
- 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/uR/h, 1.2 cps/nv
- Designed and manufactured in the USA

FINDER mode screen shots



Identification, Voice and Picture mode screen shots



Standard accessories except where noted

- 1) INTERCEPTOR™ device
- 2) Holster
- 3) USB cable
- 4) External battery
- 5) Charger connection
- 6) Charger
- 7) Software package

This specification sheet is for informational purposes only and is subject to change without notice. Thermo makes no warranties, expressed or implied, in this product summary.
 © 2006 Thermo Electron Corporation. All rights reserved. *question everything, and Analyze. Detect. Measure. Control* are trademarks of Thermo Electron Corporation. LITINTERCEPTOR 0306-e-V1.3

USA:
 5981 Airport Road
 Santa Fe, NM 87507
 USA
 (505) 471 3232
 (505) 428 3535 fax

UK:
 Bath Road
 Beenham, Reading RG7 5PR
 England
 +44 (0) 118 971 2121
 +44 (0) 118 971 2835 fax

World-wide:
 Frauenaucher Strasse 96
 D 91056 Erlangen
 Germany
 +49 (0) 9131 909-0
 +49 (0) 9131 909-205 fax