

identiFINDER[®] 2

The Next Generation Human Portable Radiation Device

The ICx Technologies identiFINDER 2 is a logical extension of the original identiFINDER series of handheld radio-isotope identification detector (RIID) instruments. The thousands of identiFINDERs currently deployed worldwide have provided ICx with a tremendous resource for suggestions and comments on how to improve the already exceptional identiFINDER. The identiFINDER 2 is the result of these comments and suggestions.

identiFINDER 2 is state-of-the-art technology

The monochrome LCD display has been replaced with a TFT LCD, 64k color, 320 by 240 pixel display that is readable in virtually all light conditions. The spectrum of the ultra versions is continuously LED peak stabilized to handle a wide range of count rates and conditions with no peak interference in the identification spectrum. Wired communication uses a micro USB connector, USB 2.0, or wireless via a Class 2.0 Bluetooth[®] interface, with a 10 m (32'9.7") range, which supports the reach-back capability, also provided. A Web interface is provided via USB emulated TCPIP (LAN) for monitoring and configuring the identiFINDER 2. A twelve channel, Sirf III GPS is included for incident location. Data storage has been enlarged to 1.8 GB to save more spectra and event information.

identiFINDER 2 is still an identiFINDER

Unchanged are the size, shape and weight; the three button (4th for power) operation; the scintillation, neutron and GM detector types, sizes and sensitivities; the screens and menus, when operated in the original identiFINDER mode; the types of alarms; the radionuclide identification accuracy; and the reliability, support and service.



FEATURES

- Same high quality and base performance as the identiFINDER
- TFT LCD 64k color display
- LED stabilized
- 12 channel, Sirf III GPS
- Reach-back via Bluetooth[®] connected to DUN capable cell phone
- ANSI N42.42 output format
- Web interface for monitoring and configuring instrument
- Original three button operation
- Database with 1.8 GB event data storage
- Visible, audible and tactile alarm annunciators
- Embedded Windows CE operating system



NEW THREATS.
NEW THINKING.[®]

SPECIFICATIONS

INPUT/OUTPUT

USB	USB 2.0, micro-B connector
Bluetooth	Class 2.0, max. 10 m (32'9.7") range.
GPS	Built-in GPS, 12-channel SiRF III receiver

PHYSICAL

Dimensions (W × D × H)	248 mm (9.764") × 93 mm (3.661") × 75 mm (2.953")
Weight ^{*2, *4}	1200 g (42.33 oz) including batteries
Weight ^{*1, *3}	1180 g (41.62 oz) including batteries

ENVIRONMENTAL

Operating Temperature	-20 °C – +55 °C (-4 °F – 131 °F)
Relative Humidity	10 % – 80 %, non condensing
Protection Rating	IP53 according to IEC 60529

PERFORMANCE

Energy Range (Gamma)	20 keV – 3 MeV
Throughput	>150 kcps
Input Count Rate	300 kcps
Gamma Spectrum	1024 channels; 3 MeV
Dose Rate Range	0.000 μSv/h – 10.00 mSv/h
Dose Range	0.000 μSv – 1 Sv
Stabilization ^{*3, *4}	Calibration source, LED; ±1 % for temperature change rate of <0.5 °C (0.3 °F) per minute
Stabilization ^{*1, *2}	Calibration source, ±1 % for temperature change rate of <0.5 °C (0.3 °F) per minute
Nuclide Identification	According to ANSI N42.34

BATTERY

Capacity	2200 mAh; 4.8 V
Operating Time	≥8 h at 20.0 °C (11.1 °F) in dose rate mode with dimmed display back light

DETECTORS

Gamma NaI	Crystal size 35 mm (1.378") × 51 mm (2.008")
Gamma LaBr ₃	Crystal size 30 mm (1.181") × 30 mm (1.181")
Neutron ³ He proportional counter tube ^{*2, *4}	15 mm (0.591") × 54 mm (2.126"); 8 atm
Gamma (High Dose Rate)	Geiger-Müller detector

DISPLAY

Type	Blanview, TFT, true color
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SOFTWARE

Embedded Software	Windows CE Operating System
Web Interface	TCP/IP emulated via USB
Reachback	ANSI N42.42 data via Bluetooth to DUN compatible cell phone

VARIANTS

Following variations of this device are available. Specifications differing for the variants are marked in the table.

- *1 identiFINDER 2 NG NaI Detector, GM Tube, internal 15 nCi ¹³⁷Cs Source
- *2 identiFINDER 2 NGH NaI Detector, GM Tube, ³He Tube, internal 15 nCi ¹³⁷Cs Source
- *3 identiFINDER 2 NG ultra NaI Detector, GM Tube, LED Stabilization, internal 3 nCi ¹³⁷Cs Source
- *4 identiFINDER 2 NGH ultra NaI Detector, GM Tube, ³He Tube, LED Stabilization, internal 3 nCi ¹³⁷Cs Source
- *5 identiFINDER 2 NG ultra K NaI Detector, GM Tube, LED Stabilization, external ⁴⁰K Source

For situations not covered by these variants please contact our Marketing and Sales Department at the email address or phone number listed below.

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Complete specifications available on request.