

The Defender TSR™

Raising The Standard Hand-Held Biological Detection from Alexeter Technologies

The *Guardian Reader System™*, currently the world's leading rapid biological detection & identification solution, has taken the next logical step: introducing field-portable capabilities for HAZMAT and security agencies. The *Defender TSR (Test Strip Reader)* features Alexeter's intuitive *bioHAZ™* software and a high resolution color screen that sets a new standard for ease-of-use.

Truly hand-held, the *Defender TSR* is field-ready with a complete offering of 8 biological tests, with more to come. The *Defender* also boasts improved sensitivity in this smaller package. Connectivity is near-universal with dual-wireless capabilities 802.11b, *Bluetooth®* and USB interface. The *Defender* connects seamlessly to any network, including the Internet, allowing secure data transmission for technical support and documentation. Whenever you need help, Alexeter's Technical Support team can view your results, assisting you in near real-time with any issue.

Utilizing the industry-standard *Windows Mobile™* operating system and Alexeter's *Defender bioHAZ™* software, the *Defender* runs on advanced lithium-ion batteries or line power. First results are available in 18 minutes, 8 tests can be run in parallel in 24 minutes. The *Defender's* throughput is 60 tests per hour. More specifications and response curve are on the reverse side.



Ask About
Our Trade-Up
Offer!

Defender Features and Specifications

Combined, the *Defender TSR (Test Strip Reader)* and *BioThreat Alert®* tests offer maximum portability, sensitivity and well as the most complete set of biological tests available. Field-ready, this 1.5 lb unit offers improved performance and the flexibility of industry-standard software. Step-by-step on-screen instructions guide you through the simple testing process. Our legendary 24/7 Technical Assistance Support Line is always standing by if you need more help.

BIOLOGICAL AGENTS DETECTED

Anthrax, Ricin, Botulinum Toxin (A and B), Staphylococcal Enterotoxin B, Plague, Tularemia, Brucella, Orthopox

FIELD USE DATA

Setup Time: 30 seconds

Calibration: Automatic, no user input required

Test Modes: Manual and Automatic

Test Time:

- First test: 18 minutes
- 8 tests run in parallel: 39 min.
- Throughput: 60 tests/hour

User interface:

High-resolution color screen, audible and visual user prompts, on-screen countdown for automatic mode test

Training:

Integrated user tutorial on instrument

Transport:

Rugged design and custom case enclosure for transport and storage

Battery Life:

2 hours, 4 hours with optional battery pack, continuous with 120-240 V AC

HARDWARE

Weight: 1.5 pounds (0.7 kg)

Size: Ergonomic handheld design for gloved operation

Platform: Fully enclosed and integrated HP IPAQ™ Pocket PC

Operating system: Windows Mobile™ (CE 4.2)

Screen: 4-inch VGA day-viewable, high resolution TFT color display touch-screen

Input: Mousepad navigation or stylus entry methods

Security: Password-protected access

Memory: 128 MB, expandable to 1 GB

CONNECTIVITY

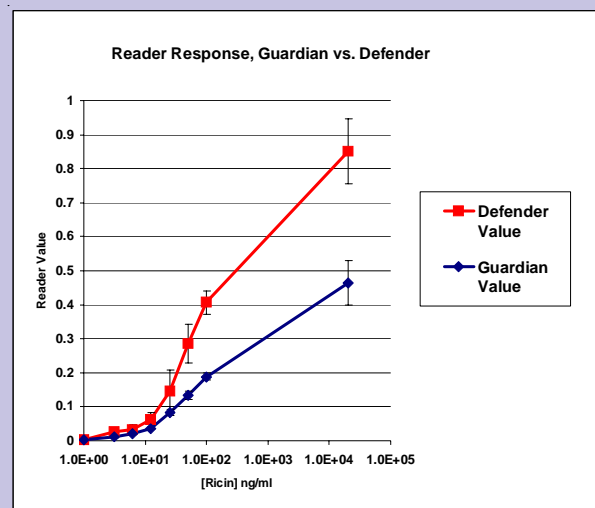
- WiFi (encrypted 802.11x) and *Bluetooth®* for wireless connection to your network
- USB Port for wired connectivity with PC's

OPTIONS

- GPS add-on capability
- 1 GB memory upgrade
- HAZMAT Database and Aerial Dispersion software available
- External battery pack
- Extended internal battery module
- Rugged soft rubber sleeve for additional protection



DEFENDER RESPONSE CURVE ILLUSTRATES PERFORMANCE ADVANTAGE



The Defender's advanced optics produce fast results with a clear increase in signal over the Guardian Reader.