

Responder RCI™

RAMAN CHEMICAL IDENTIFIER



Feature Highlights

- Integrated computer with touch screen interface
- Rechargeable battery with five hours field use
- Sealed for complete decontamination of system
- Waterproof and ruggedized
- Integrated sample vial compartment
- Point-and-shoot sampling capabilities (optional)
- Size: 8 3/4 x 7 1/2 x 3 7/8
- Weight: 6 lbs.

Benefit Highlights

- Identification in less than 30 seconds
- 24/7/365 Reachback service
- Next day loaner availability
- Free software and library upgrades

Included Libraries

- WMD
- Common White Powders
- Common Chemical
- Explosives
- Narcotics

The Responder RCI (Raman Chemical Identifier) is a light-weight, handheld spectrometer ideal for the identification of unknown solids and liquids. This system is Smiths Detection's latest addition to its suite of products designed for use by First Responders.

Users decide whether to analyze using the integrated sample compartment or by the optional point-and-shoot capabilities. Either way the results will be reliable, accurate and provided in less than 30 seconds. First Responders will also feel confident knowing that Smiths' proven Reachback customer support hotline is available 24 hours a day, 7 days a week, 365

days a year to help verify data in any emergency situation.

Raman technology is ideal for identifying samples through glass or plastic bags, in mixtures, or in water. The Responder RCI is entirely self-contained including computer and battery. The system is waterproof and has a typical battery life of 5 hours.

Unlike other field systems on the market, the Responder, (without the optional point and shoot capability), is designated as a Class I laser system which is exempt from OSHA law requiring eye protection to be worn while in use.

Technical Data **Responder RCI™**

General Specifications

Weight	6 lbs
Size	8.75 x 7.5 inches
Sample Interface	Glass vial or *point and shoot
Environmental Features	The system is waterproof. All external parts are resistant to bleach solution.
Operating Ranges	Operational in extreme weather and temperatures ranging from -7°C to 50°C. Humidity ranging from 0-100%.
User Interface	The Responder RCI software is a streamlined, touchscreen application. Windows® operating system.
Controller	Touch-screen embedded system Finger or Stylus control
Wireless Capability	Bluetooth enabled Indoor and outdoor capability
Power	Internal battery, mains or cigarette lighter Battery runs for 5 hours Charge time is 5 hours
External Data Storage	Full USB support Flash devices Floppy drives CD-Rs
Input/Output Devices	Mouse and keyboard compatible

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The Responder RCI is intended to provide initial determinations and to be used as an information resource in the field and not for absolute or conclusive identification of unknown substances. The results provided by the Responder RCI should be verified by other appropriate techniques. Smiths Detection makes no recommendations nor does it assume any liability for how the information is utilized.

* Optional point and shoot hardware contains a Class 3B label . Avoid direct exposure to beam.

