



# LifeLocator® TRx

The LifeLocator® is internationally accepted as the radar-based standard in rescue and recovery when disasters like earthquakes, floods, explosions or similar occurrences result in victims trapped under debris piles, both natural and man-made debris as a result of structural collapses.

## The LifeLocator TRx Advantage

Urban search and rescue missions are extremely difficult to perform successfully. Limited resources, harsh weather conditions and severely damaged infrastructure are often obstacles in USAR missions. The LifeLocator system uses ultra-wideband (UWB) radar technology to improve the odds of recovering living victims of earthquakes, building collapses, flash floods, avalanches and other man-made disasters.

The LifeLocator® TRx is a portable rugged device that detects the presence of life under collapsed structures and can detect movement in up to twelve meters of debris and breathing in up to ten meters.



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|--|---|
| <p><b>MAX DEPTH</b></p> <p>Motion Detection:<br/>up to 12 m (39 feet)</p> <p>Breathing Detection:<br/>up to 10 m (33 feet)</p> | <p><b>ANTENNA</b></p> <p>2 Channel -<br/>3 Antennas</p>                                   |
| <p><b>WEIGHT</b></p> <p>12.7 kg (28 pounds)</p>  | <p><b>STORAGE CAPACITY</b></p> <p>64/128 GB<br/>(tablet dependent)</p>                    |
| <p><b>BATTERY LIFE</b></p> <p>Up to 12 hours,<br/>hot swappable</p>  | <p><b>ACCESSORIES</b></p> <p>Rotating hand strap<br/>with stylus holder,<br/>sunshade</p> |



See our website for more information and detailed specifications: [www.geophysical.com](http://www.geophysical.com)

# LIFELOCATOR TRx FEATURES

## Find Victims

The LifeLocator TRx is a reliable (non-human, non-canine) USAR technology that enhances search capabilities. Highly sensitive; it can detect slight motion and shallow breathing, within seconds.

## Enhance Survey Capabilities

GSSI's fourth-generation system uses ultra-wideband (UWB) radar technology with dual sensors to improve the odds of recovering living victims of earthquakes, building collapses, flash floods, avalanches and other man-made disasters.

## Advanced Rescue Radar

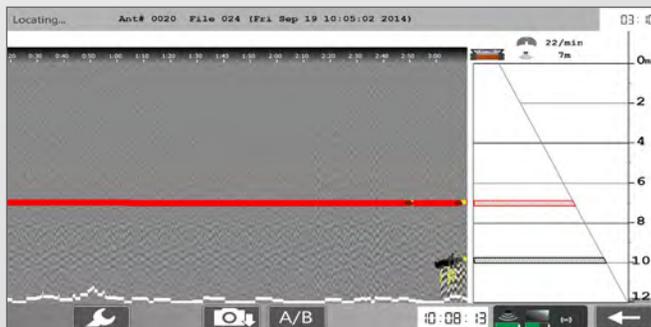
This wireless and portable system allows for ease of mobility over a site. The non-invasive technology requires no probes, no cables, and no wiring.

## TYPICAL USES

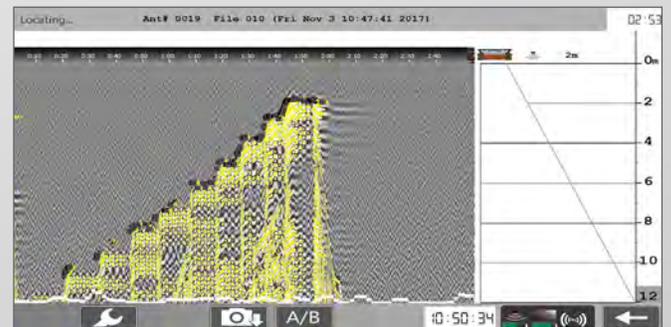
- USAR
- Earthquakes
- Terror Attacks
- Mine Disasters
- Building and Structural Collapses
- Tunnel Collapses
- Mudslides or Landslides, with debris

RSS-220 and CE Certified

## LOCATE VICTIMS



LifeLocator TRx screen example showing a breathing victim at 7m in depth, and breathing at a high rate. The red line on the left screen panel indicates position of victim, and the right screen panel shows breathing rate and depth of detection. The white line at the bottom of the data indicates presence of radio interference located at the site.



LifeLocator TRx screen example showing moving person (leg motion) at varying distances away from the sensor. Starting at 11m moving in 1m increments until 2m away from the sensor. The white line at the bottom of the data indicates presence of radio interference located at the site.

Geophysical Survey Systems, Inc.

40 Simon Street • Nashua, NH 03060-3075 USA • [www.geophysical.com](http://www.geophysical.com)

