

1D Through Wall Radar Life Detector

AT-TWR-1D

Features

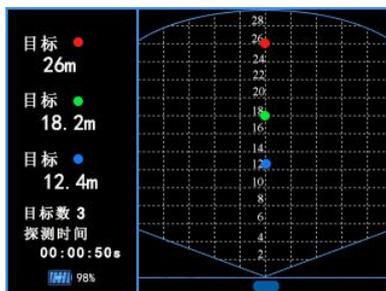
- Small and light, only 1.3 kg.
- Strong penetrability, can penetrate 50 cm brick wall.
- The detection distance is far, up to 30 meters.
- Good detection performance and low false alarm rate.
- Can work without sticking to the wall.
- Multiple devices can work simultaneously without interfering with each other.
- It can be controlled wirelessly.

Application

- hostage rescue
- Action against Terrorism
- urban warfare
- intelligence gathering
- Reconnaissance and surveillance
- dangerous catch
- Anti-drug operation
- search and rescue operations

Description

The through-wall radar life detector is an ultra-portable hand-held through-wall life detection radar, which can penetrate non-metallic obstacles such as walls, display key information such as whether there are people behind the wall and their distance in real time, and monitor their movement, thereby Help military, public security and emergency personnel make better operational decisions.



1. Technical indicators

penetrable wall material	Various common non-metallic walls
Maximum Penetration Thickness	Brick wall \geq 50cm
Number of walls that can be penetrated	no less than 2 walls
Maximum detection distance	Stationary target \geq 25m
target quantity	Sports target \geq 30m
Maximum number of targets	3
Detection angle	Azimuth and elevation not less than 100°
Display screen	Color LCD
Display mode	graphics + text + value
Target information	Target presence or absence, target number, target distance and azimuth, detection time
Resolution	Better than 0.3m
Size	Length 227mm, width 108mm, thickness 105mm
Weight	1.3kg
Power supply	rechargeable lithium battery
battery life	not less than 4 hours
wireless function	√
temperature	Working temperature: -20℃ \sim +55℃ Storage temperature: -40℃ \sim +60℃
Dustproof and waterproof	IP65

2. Technical advantages

The wall-penetrating life detector uses advanced ultra-wideband radar technology, special stepping frequency waveform technology, and robust signal processing algorithms, so it has excellent penetration and resolution capabilities, and can be very reliable in dense and strong clutter environments to detect the presence of objects and measure their distance.

3. Radiation safety

The two-dimensional positioning through-wall radar life detector is completely radiation safe, which is equivalent to the radiation of mobile phones.