

AdiA9 Audio life locator

Model: AdiA9







AdiA9 Audio life locator can locate the victims fast in confined space and two-way voice communication is established immediately. The AdiA9 is lightweight, portable, battery powered and can be operated by a single rescuer. On location of a victim, two-way voice communication is established immediately. The audio life locator is designed for: confined space rescue ,collapse rescue ,urban search and rescue.

Features

1. Sensitive: Can collect very tiny voice from victims

2. Anti-interference : armed with filter, it can weak the interference of noise.
3. Reliable, rugged, lightweight, potable ,battery powered.

Specification

1. Sensitive omni directional audio sensor
2. Frequency range : 0~5000 HZ
3. Two separated sensitive audio shock sensor with 8m cable
4. One sensitive microphone and big power shock spreader audio sensor with 8m cable
5. Two way communication earphone
6. Battery life time: 30h
7. Charger power: 100/240Vac, 50/60Hz
8. Sensibility: 15×10^{-6} Pa
9. Waterproof range: IP68
10. Size: 20x15x12 (cm)
11. Weight:2KG

4. Advantage

ADVANTAGE

1. Sensibility can reach 15×10^{-6} Pa
2. Frequency range is 0-5000hz and filter band is adjustable.
3. The IP range for sensor reaches IP68 and the sensor can be used under water.
4. The battery can power for 30 hours after one full battery charge.
5. Fast locate and easy use.



Adi A9 Audio Life detector

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1. Features

THE MAIN FEATURES



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2. Specification

TECHNICAL PARAMETERS

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radar
life detector



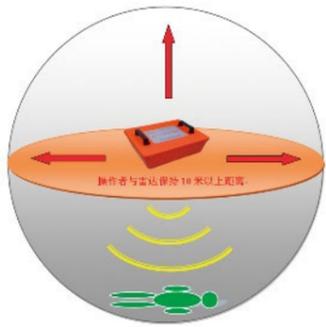
1.Introduction

Radar Life Locator uses ultra wideband (UWB) radar technology to improve the odds of rescue following structural collapses due to weather, fire or catastrophic attack, avalanches, flash floods, earthquakes or other natural disasters. The life locator is ideally suited for life rescue, locating victims by sensing even the minor movements of shallow breathing. The working range is over 25m. YSR Radar life locator has proven to be an effective tool in detecting life signs like breathing and movement at building collapse locations.

It is consist of Radar sensor and PDA. The Radar transmit the data to PDA via WIFI. And the operator can read the detect info on PDA. It is farther range, high resolution and easier use than other devices.

2.Principle

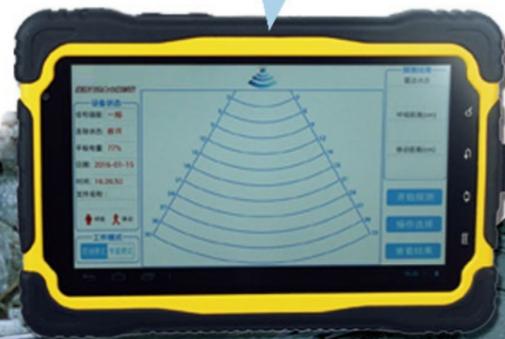
fire radar life detector has a large relative bandwidth (signal bandwidth and the center frequency ratio), generally not more than 25%. Test of human life parameters are pulsed in the form of micro-beam irradiation of the human body due to human life activities (breathing, Heartbeat, bowel movements, etc.), so that the repetition period of the series of echo pulses after the human body is reflected changes. If the body after the reflection of the echo pulse series analysis, you can get the characteristics of the measured human life characteristics of the parameters.



← The working principle of YSR radar life detector

3.Test report

National fire equipment quality supervision and inspection center test report: Zb201350155



4.Features

- 1). Integrated design, easy to carry and use, the shell design for fire disaster accident harsh environment; through the remote military four anti-PDA wireless control system detection and data transmission to ensure the safety of the operator.
- 2).The use of PS-class ultra-wideband radar technology, the ruins of the human body can be accurately positioned to make up the defects of other detectors which can not determine the depth .
- 3). Without the site restrictions, the target can be achieved efficiently with non-contact detection.
- 4). The use of new frequency of biomedical signal processing technology, can capture the consciousness of fuzzy breathing information in the disaster scene with high value.
- 5). Utility model and appearance of patents, with independent intellectual property and system software copyright.



5.Specification:

Detection range	Motion detection: ≥30m Breathing detection: ≥20m	Detection type	Motion detection Breathing detection
Penetrating ability	Through brick structure of solid wall thickness more than 1 meter	Dual mode detection	Professional mode and detection mode
Detection Qty	≥4 people	Pda size	7 inch LCD
Antenna frequency	400MHz	Continuous working time	≥8 hours
Weight	Less than 8.5kgs	Working Temperature	-20+60℃



Explosion - proof wireless audio and video life detector



Technical data:1, the whole machine:

- ★ audio and video combined, highly integrated: the data presented on the same display;
- ★ explosion-proof,suitable for hazard explosive environments after the earthquake and other accidents, explosion-proof grade Exib IIB T4GB;
- ★ wireless transmission, , disaster relief scene can be wirelessly transmitted to the disaster relief headquarters, configure the wireless video receiver, storage 8GB, can store search video;
- ★ six audio probe, a larger search range: the audio probe can be distributed in the disaster area layout, increasing the search area, improve search efficiency, save more in distress!

Multi-angle video probe: the original camera can be seamless 360 ° horizontal rotation, 360 ° viewing angle, vertical 270 ° , effectively increasing the search range and accuracy.

2, the control host:

Peak tracking: The yellow peak tracking procedure determines the maximum

Battery Display: The battery level is always displayed

A key switch: audio, video, a key switch

Push to talk (push to talk) function: to communicate with the buried

Large screen: 7 "TFT highlight screen

Resolution: 768 × 512

Working time: more than 3 hours of continuous use (depending on the environment).

Charging time: 4hr (depending on temperature, current intensity and other factors may be)

AC voltage charger: 220V

Operating temperature: -30 °C - +60 °C, low temperature quick start.

3, wireless audio probe:

- ★ transmission: wireless
- ★ transmission distance: $\geq 100\text{m}$

Search area: 600 m²

★ number of probes: 6pcs

Audio range: 1Hz-3000Hz

Protection class: IP67

Working time: ≥8H

weight:

size:

4, color rotating camera:

Angle of view: 360 ° horizontal, 360 ° viewing angle, vertical 270 ° field of view

1/4 "CCD, 0.5 lux, 380 lines, objective: f-2.0 mm, F-2.0;

Lens diameter: 51mm Type: color CCD

Light source: 8 imported infrared light.

Size: 51mm × 99mm, weight: 240g

Waterproof: I64 waterproof standard

With quick-swap interface, you can quickly replace.

5 waterproof infrared camera:

In the dark,the visual distance of up to 6m.

Waterproof level: IP67

With quick-swap interface, you can quickly replace.

6, the probe rod:

Probe length: 4 sections can be extended 1-2.38m

With 5m cable, anti-off plug; (optional 20 meters, 30 meters cable)

The head is free to bend;

Radar life locator



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Application:

The life locator can be widely used in earthquake ,avalanches, flash floods or other natural disasters.

Features:

Portable and lightweight

Excellent detection range

Work in tough situation

Easy operation, no need professional training

Easy to deploy

Low power requirement

Specification:

Type: ultra wideband (UWB) radar

Motion detection: up to 25m

Breathing detection: up to 20m

Accuracy: 10CM

PDA SIZE: 7 inch LCD

Wireless range: up to 100m

Windows system: windows mobile 6.0

Start up time: less than 1 minute

Battery time: up to 10h