



always in touch with our clients
to design the **products you will need in the future**

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PIXAL - 02 35 42 52 65 - www.pixal.fr - Photos: Securitas Sans Frontières - Séisme en Inde / M. Couette - Juin 2011 - ZR08 073 EN2



Audio ResQ

LIFE LOCATOR FOR TRAPPED VICTIMS

- Wireless for hasty search
- Exceptional listening ability
- Easy to use



AUDIO ResQ LIFE LOCATOR, WIRELESS LISTENING DEVICE

SPECIALLY DESIGNED TO DETECT SIGNS OF LIFE
IN EXTREME CONDITIONS

For seismic detection during Search operations in the most harsh of conditions



- **Menu:**
 - **Press button** menu selection
 - **Easy-to-navigate** menu



Connections, **colour coded** for **easy identification**



Waterproof **connectors** to **IP 67** level



Push to talk option gives communication priority to the victim

Noise-reduction stereo headset can be used under rescue helmet

2 headset sockets

Stereo headset as standard

Permanent display of battery charge level

On/off switch

IP 67 Waterproof, shock-proof communication probe Ø 38mm (1,5 inch)

Sensors, waterproof to IP 67

Advantages that make the difference

- **For Hasty Search and Detection (Primary)**
Mobility and Speed by using 1 or 2 WIRELESS sensors (up to 30m / 100ft).
- **For Location and Triangulation**
By using the 3 WIRELESS sensors, triangulation can be swiftly implemented without the complication of cable management.
- **A second noise-reduction stereo headset** can be connected simultaneously.
- **Intuitive user interface.**
- **For Detection on Wide Area Search**
By adding up to 3 wired sensors will expand the search area up to a 60 m (197ft) span (or for use when wireless sensors may not be suitable).
- **2 listening modes.** "MONO" and "STEREO".
- **Individual or multi sensor** listening mode.
- **Graduated "ZOOM"** for Seismic amplification gain.
- Full range, graduating adjustment controls for filters, Acoustic and headset volumes.
- The high performing, two way communication AUDIO probe can be used simultaneously with seismic sensors.
- Sensors powered by 3 x AAA dry cells or rechargeable batteries.

Testimonial

This new equipment is without any doubt a very easy appliance to use in the field, as well as in ruins: blocks up to 6 metres (20ft) thick, bricks, stones and reinforced concrete.



Bruno BESSON
Manager and Chief of International Operations
Secouristes sans Frontières



Products **designed and manufactured** by **LEADER**

AUDIO RESQ LIFE LOCATOR, WIRED LISTENING DEVICE

SPECIALLY DESIGNED FOR
ACCURATE LOCATION OF VICTIMS



- **Menu:**
 - Press button menu selection
 - Easy-to-navigate menu

Connections, colour coded for easy identification



Waterproof connectors to IP 67

Battery power level continuously displayed

2 headset sockets

Noise-reduction stereo headset can be used under rescue helmet

Stereo headset as standard

Advantages that make the difference

- Usable with **1 to 6 seismic sensors** so as to cover a **wider area**.
- The high performing, two way communication AUDIO probe can be used simultaneously with seismic sensors.
- A **second noise-reduction stereo headset** can be connected.
- **Digital** technology.
- **Intuitive user interface**.
- Meets the **operational requirements** of the world's leading Search and Rescue teams (**INSARAG, NGO's and many more**).



Products **designed and manufactured** by **LEADER**

Testimonial

This new equipment is without any doubt a very easy appliance to use in the field, as well as in ruins : blocks up to 6 metres (20ft) thick, bricks, stones and reinforced concrete. Each time one or two victims could only respond to signals from the surface by light scratching. The Audio ResQ Life Locator is user-friendly, the man-machine interface is very simple, the ergonomic design is optimal. Navigating through the menu is easy and fast: selection of sensors, use of filters, up to the selection of the right sensor, perpendicular to which we found our victims. The sounds picked up are of exceptional quality. The readability of the data is excellent, in full daylight and at night. The second headset allowed us to refine our analysis and to guide a trainee operator.



Bruno BESSON
Manager and Chief of International Operations
Secouristes sans Frontières

8 Metres (26ft) per sensor for wide area coverage of nearly 50m (165ft)

8 metres per sensor

On/off switch

Excellent clarity of data even in bright sunlight

Up to 6 seismic sensors

Sensors, waterproof to IP 67

Push to talk option gives communication priority to the victim



IP 67 Waterproof, shock-proof communication probe Ø 38mm (1,5 inch)



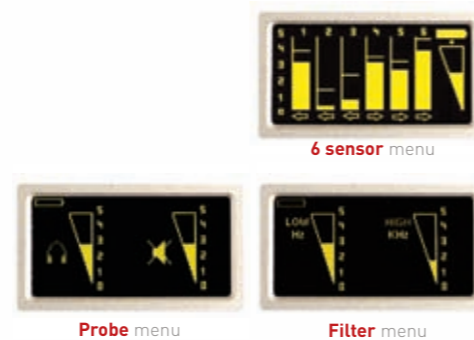


> **High / Low pass filters**

The high performance high and low filters allow unwanted noise to be eliminated during the detection phase of a search. The feature allows the filter to be 'Graduated' until the unwanted noise has been eliminated whilst leaving the remainder of the band in place.

- Low pass filter adjustable between 15Hz and 300Hz to eliminate high-pitched noises
- High pass filter adjustable between 600Hz and 3000Hz to eliminate low-pitched noises

Example of screens



Wired Audio ResQ

Packed in its case



Wireless Audio ResQ

Packed in its case



OTHER SEARCH & RESCUE PRODUCTS

Visio Search

Visual location and communication with trapped victims



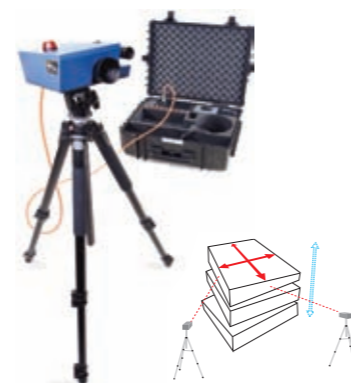
Visio Search R90

Visual location and communication with trapped victims up to 90 m (295 ft).
Option : up to 180 m (590 ft)



LEADER-SENTRY Movement Monitor

Detects structural movements and alerts SAR teams



LEADER

RESEARCH AND DEVELOPMENT

- > A **creative but meticulous Design Department** to develop the equipment you will need tomorrow.
- > A **multidisciplinary design staff** to develop and produce innovative equipment to meet the **needs of the profession**.
- > Design work carried out in **partnership** with **well-known rescue services, industries, universities and research laboratories**.

MANUFACTURE

- > A **continuous improvement** organization whose purpose is to guarantee customer satisfaction through **control of product conformity**.

AFTER-SALES SERVICE

- > A **permanent stock** of spare parts enabling to carry out **rapid repair work**.
- > A team to **advise** you on **setting up and using** your equipment.
- > A **telephone help line +33 (0)2.35.11.70.30**

TRAINING

- > Can be **organised to suit your needs**. Our **training courses** enable you to maintain your equipment in a **safe state for use**.

