

# Delsar USAR Kit – ready to deploy life detector kit



## Designed for following uses and industries



## KEY BENEFITS

- Easy-to-read clear display panel
- Equipped with up to 6 sensors
- View simultaneously the strength from all sensors to ID the strongest signal
- Noise reducing filters for better audio quality
- Record last five minutes of audio
- Twin headphone jacks
- Lithium-ion batteries compatible with SearchCam 3000
- Delsar Victim Simulator

The Delsar USAR Kit combines the Delsar Life Detector Six Sensor System and the Delsar Victim Simulator, together in one ready to deploy case. The Kit includes the Delsar Victim Simulator, which is an excellent training tool for victim search and rescue and also doubles as a valuable calibration unit for the Delsar's Seismic Sensors for use on different surface materials.

Used by FEMA, USAR, SUSAR and rescue teams from around the world, the Delsar USAR Kit is a seismic/acoustic listening device used to detect and locate live victims trapped in:

- Collapsed structures caused by earthquakes
- Explosions
- Landslides
- Mine disasters or cave-ins

The Delsar USAR Kit converts the entire collapsed structure into a large sensitive microphone that transmits noises from entombed victims. The seismic and acoustic sensors convert vibrations created by the live victim into audible and visual signals. The Delsar is rugged, reliable and able to withstand days of continuous use at the disaster site.

## TECHNICAL DATA

<b>Sensor inputs</b>	2 strings
<b>Seismic sensor</b>	6
<b>Acoustic sensor</b>	2
<b>Visual display</b>	Up to all six sensors simultaneously
<b>Audio output</b>	2 headphone outputs
<b>Audio selection</b>	0-6 sensors, audio response is summed, stereo output can be selected with any 2 sensors
<b>Frequency range</b>	1 Hz - 3000 Hz
<b>Filter range, low</b>	high pass, 100 Hz
<b>Filter range, AC</b>	Notch 50/60 Hz
<b>Filter range, high</b>	low pass, 600 Hz
<b>Record capacity</b>	300 second loop, indexed to 15 second blocks
<b>Auxiliary output</b>	Provides audio, chart recorder and remote control function capability
<b>Battery type</b>	Rechargeable Lithium Ion tube pack
<b>Battery endurance</b>	2 - 6 hours depending on number of sensors
<b>Battery recharge time</b>	3 hours
<b>Charger pwr</b>	12 VDC (vehicle charging) 110-220 VAC

<b>Batt. options</b>	Disposable Lithium cells (CR123) with adapter Searchcam 2.5 Ahr/5 Ahr SLA belt pack with adapter cable
<b>Dimensions</b>	6"W x 5"H x 3.25"D (152 mm x 127mm x 83 mm)
<b>Weight</b>	2.2 lbs (1Kg) with rechargeable battery
<b>Position sensitivity</b>	Can be used in any position
<b>Sealing</b>	IP67 (water and dust tight)
<b>Shock resistant</b>	over 1000g
<b>Freq. response</b>	1 Hz to 3000 Hz
<b>Dimensions</b>	3.5" Diameter x 2.6" H (89 mm x 66 mm)
<b>Weight</b>	16.5 oz (.466Kg)
<b>Sealing</b>	IP67 (water and dust tight), microphone must be dry for operation
<b>Freq. response</b>	200 Hz to 3000 Hz
<b>Options</b>	Telescoping probe
<b>Dimensions</b>	1.625"D x 6"L (41mm x 152mm)
<b>Sensor cable</b>	Length 30.2 feet (10M)
<b>Dimensions</b>	32" L x 21" W x 12" D (81cm x 53cm x 31cm)
<b>Weight (loaded)</b>	45 lbs (20.4Kg)