

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

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

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