Used by FEMA, USAR, SUSAR and rescue teams from around the world, the Delsar Life Detector LD3 is seismic/acoustic listening device to detect and locate live victims trapped in:

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

The Delsar Life Detector LD3 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**: 1
- **Visual display**: Up to all 6 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

### Control console

- **Dimensions**: 6”L x 5”H x 3.25”W (152 mm x 127mm x 83 mm)
- **Weight power module**: 2.2 lbs (1kg) with rechargeable battery
- **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
- **IP Ratings**: IP67 (water and dust tight), microphone must be dry for operation
### Battery
- **Battery type**: Rechargeable Lithium-ion tube pack
- **Battery endurance**: 2 - 6 hours depending on number of sensors
- **Battery recharge time**: 3 hours
- **Power Input**: 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

### Seismic sensor
- **Position sensitivity**: Can be used in any position
- **IP Ratings**: IP67 (water and dust tight)
- **Shock resistant**: >1000g
- **Freq. response**: 1 Hz to 3000 Hz
- **Dimensions**: 3.5” D x 2.6” H (89 mm x 66 mm)
- **Weight**: 1.02 lbs (0.465kg)
- **Sensor cable**: Length 30.2 feet (10m)

### Acoustic sensor
- **IP Ratings**: IP67 (water and dust tight)
- **Freq. response**: 200 Hz to 3000 Hz
- **Dimensions**: 1.625” D x 6” L (41mm x 152mm)
- **Weight**: 1.36 lbs (0.62kg)
- **Options**: Telescoping probe
- **Sensor cable**: Length 9 feet (3m)

### Headphones
- **2**
- **Headphones type**: Stereo, microphone

### Case
- **Material**: Polypropylene
- **Weight (empty)**: 14.1 lbs (6.4kg)
- **Weight (loaded)**: 45 lbs (20.4kg)
- **Dimensions**: 32” L x 21” W x 12” H (81cm x 53cm x 31cm)
- **IP Ratings**: IP67 (water and dust tight)

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This is updated specification sheet, valid from Jan 15, 2018.