

Delsar

Life detector for urban search and rescue missions

The ultimate listening device for detection and location of trapped victims



RUGGED AND RELIABLE FOR EXTENDED USE

A field-proven, highly effective seismic/acoustic listening device for detecting and locating live victims in collapsed structures. Fast and easy to deploy, the system provides rugged and reliable performance for extensive use over rubble piles. Equipped with up to 6 sensors to enable extensive coverage and precise victim location.

MAIN COMPONENTS

LD3 DISPLAY INTERFACE

Sensor Input ports	2
Seismic Sensors	6
Acoustic Sensors	2
Visual Display	Up to all six seismic sensors or two acoustic sensors simultaneously
Headset outputs	2 x 5-pin Nexus Jack
Audio Selection	0-6 sensors, audio response is summed, stereo output can be selected with any 2 sensors
Frequency Range	1 Hz - 3000 Hz
Sound Filters	Low & High
Record Capacity	300 second loop, indexed to 15 second blocks
Power source	2 x Li-Ion 18650 battery
Battery type	Rechargeable protected circuit and button top 18650 Li-Ion battery, 3.5Ah 3.6-3.7 V
Battery dimension	ø 18-18,6 x 68,6-69,3 mm
Operating time	Up to 13 h Nominal at 20°C
Charge temp.	0-40°C
Display interface LD3 dimensions	17 x 13 x 8,3 cm
Display interface LD3 weight	950g



SEISMIC SENSOR

Sensor accessories	Spike for soft ground and magnetic clamp for metal surfaces.
Position sensitivity	Can be used in any position
Freq. response	1 Hz to 3000 Hz
Seismic sensor dimensions	ø 7,6 x 6 cm
Seismic sensor weight	490g



ACOUSTIC SENSOR

Sensor accessories	SC3000 standard and long tube (optional accessory)
Position sensitivity	Can be used in any position
Freq. response	200 Hz to 3000 Hz
Acoustic sensor dimensions	ø 4,7 x 15 cm
Seismic sensor weight	610g



HEADSET

Attachment / fastening	Headband (optional accessories include helmet attachments and a neckband)
Slim cups	Yes
Active hearing protection	Yes
Hear trough volume control	Yes
Victim communication	Trough boom microphone with and without active mode
Battery type	2 x AAA battery
Operating time	Up to 250 h
Headset connector	5-pin Nexus
Weight	390 g
Hearing protector attenuation	SNR 28 dB / NRR 23 dB / SLC 28 dB
EMC	MIL-STD-461G



VICTIM SIMULATOR (DVS)

Start/Stop switch	physical switch on the device or RC
Knock frequency	~ 40 times per minute
Battery type	9 v Alkaline
weight	1,25 kg



HARD CASE

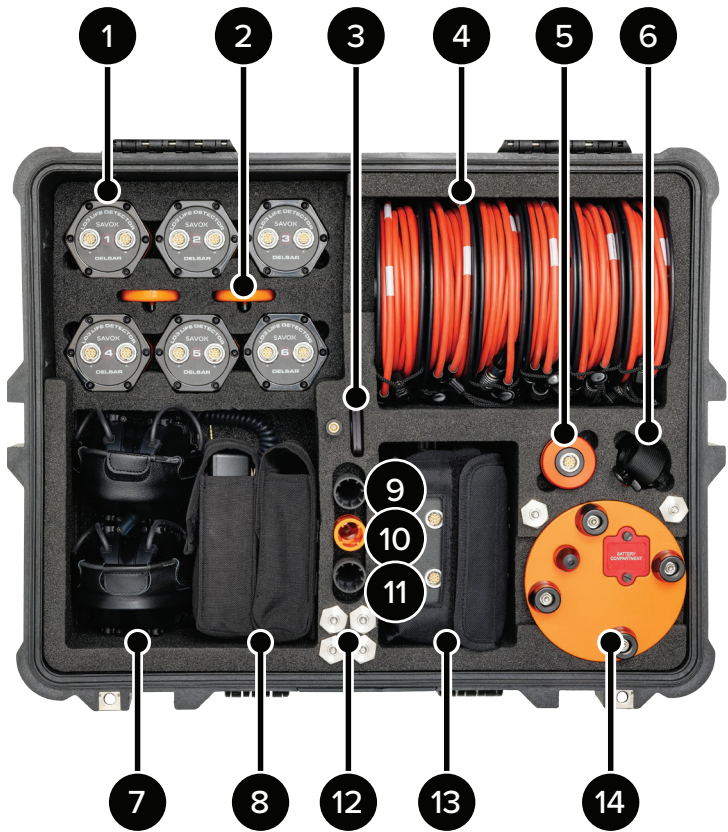


Weight (DELSAR LD3 6+1+DVS kit)	19,4 kg
Case dimensions	61.6 x 49.3 x 22 cm

COMPLIANCE

Recommended operational temp.	-10-43°C
Absolute storage temp.	-23- 60°C
LD3 Display interface sealing	Compliance with IP54
Seismic sensor sealing with sensor cable	Compliance with IP67
Acoustic sensor sealing with sensor cable	Compliance with IP67

KIT CONTENT
DELSAR LD3 6+1+DVS



* Item not shown
** Inside black molle pouch

ITEM	DESCRIPTION	PART NUMBER	LD3-6 QTY.	LD3-4 QTY.	LD3-2 QTY.
1	Seismic Sensor #1 Seismic Sensor #2 Seismic Sensor #3 Seismic Sensor #4 Seismic Sensor #5 Seismic Sensor #6	6020-02-001 6020-02-002 6020-02-003 6020-02-004 6020-02-005 6020-02-006	6	4	2
2	Magnetic Sensor Clamp	6020-05-002	2	2	2
3	DVS Remote Control and Antenna (only DELSAR LD3 6+1+DVS)	0316-23-012	-	-	-
4	Sensor Connecting Cable 10m (on spool)	6020-04-010	6	4	2
5	Acoustic Sensor #1 Acoustic Sensor #2 (optional)	6020-03-003 6020-03-004	1	1	1
6	Shoulder Sling	6010-06-003	1	1	1
7	USAR headset	K5694-11218R	2	2	1
8	18650 Battery ** 18650 Battery carry case **	U008998 U009017	4 2	4 2	4 2
9	18650 4-bay Charger with wall connector	U008997	1	1	1
10	18650 Battery Cartridge	M008946	2	2	2
11	CR123 Battery Cartridge	0823-10-074	1	1	1
12	Sensor Spike	6020-05-001	6	4	2
13	LD3 Display Interface	6020-03-001	1	1	1
14	Delsar Victim Simulator (only DELSAR LD3 6+1+DVS)	1902-29-046	-	-	-
15	Operational manual *	7000-01-004	1	1	1