

Main Characteristics

- **Sound level logger**
- **Registers sound level meter parameters LeqT, LFmax and LSmax**
- **Registers all incidents: Disconnection from the mains, tampering with the sensor**
- **Can be completely sealed**
- **Adaptable to any kind of regulation**
- **Internal Battery**
- **Data retrieval by printer and serial connection to PC**
- **Massive Data Storage for periods longer than 1 month**
- **NOISE CONTROL IN: Establishments with games machines, televisions, and so forth**
- **APPLICATIONS: Noise between dwelling units, Noise control for the community**

The RS-60 sound level recorder measures and records the sound pressure level inside the room in which it is installed. The RS-60 consists of a central recording unit and a sensor developed on the basis of the technology used in the manufacture of **CESVA** sound level meters.

The central recording unit of the RS-60 stores the information measured by the sensor and any incidents that may have occurred. The RS-60 allows you to programme the periodicity with which this information is stored (from 1 minute to 1 hour in 1-minute steps).

The RS-60 is equipped with an internal battery that allows it to continue functioning even when disconnected from the mains. The battery lasts for one week. Before it runs out, the RS-60 records the day and time that this occurs. When the battery runs out, the RS-60 automatically turns itself off. The stored data is retained. When the unit is reconnected to the mains, the RS-60 continues to function as normal.

The RS-60 is equipped with a indicator light showing that the unit is connected to the mains and it features two indicator lights, to tell you that the environmental noise does not exceed legal limits, and to warn if you are exceeding the legal limit.

A luminous remote display may be connected to the RS-60, allowing you to observe in real time the sound pressure level measured.

The information recorded by the RS-60 may be retrieved directly from the parallel port by connecting the port to a printer. It may also be retrieved by serial connection to a computer.

With the assistance of the REL-2 relay box, the RS-60 may be converted into a sound limiter. The REL-2 is equipped with two switches (relays) with which it is possible to activate or deactivate any apparatus either controlled or fed by an electric signal.

Whenever the sound pressure level exceeds the limit programmed for each of the two switches, (pre-alarm and alarm), ($Limit_{alarm} > Limit_{pre-alarm}$), they are switched for a set time.

The RS-60 is a small compact unit, completely sealed and protected against possible manipulation.



INPUTS AND OUTPUTS

DL-3E external display connection output and relay box

XLR with 3 contacts (male)

RS-232 serial connection output

DB-9 socket (female)

Connection with parallel printer output

DB-25 socket (female)

REL-2 Relay Box

Relays:

2

Maximum AC voltage rating:

220V

Maximum switching current:

1A

Sensor

Measurement range:

60 – 120 dB

Frequency range:

20 a 20.000 Hz

DISPLAY

Remote Display (optional)

DL-3E external LEDs display: indicates, in real time, the continuous equivalent sound pressure level in dBA from 2 to 180 seconds and the evaluation of the sound pressure level OK or HIGH.

Dimensions and weight

270x 240x 75 mm

8 kg

Mains power supply

220 V — 50-60 Hz

Battery feed

With automatic recharge

Minimum battery duration: 5 days

Maximum Consumption

25W

Storage Capacity

60 days (Tleq reg = 1 min)

INCLUDED ACCESSORIES

LXM-8	Sensor
CNOMX9	Cable sensor-limiter (9 m)
SFTR60	Software application (available for free on www.cesva.com)

OPTIONAL ACCESSORIES

CB004	Class 2 acoustic calibrator
DL-SE	External display
ALIC-1	Sealing pincers
PLOM-1	Plastic seal of Ø9 mm (100 pcs.)
ALAMB-1	Sealing wire (10 m roll)
DL100	Giant External Display (61x32x8 cm)

The **RS-60** software application, available for free on www.cesva.com, allows you to:

- Obtain data in electronic format
- Programme all the parameters on just one screen

And includes

- Tool to programme the RS-60
- Password protection



Main menu



Report generation



Example of graph

Summary of registers



Programming screen



Password protection