

SOUND LEVEL RECORDER LIMITER RS-60

- Sound level recorder
- Registers sound level meter parameters L_{eqT} , L_{Fmax} and L_{Smax}
- It registers all the occurred incidents: Disconnection from the mains, Sensor tampering
- It can be completely sealed
- Adaptable to any kind of regulation
- Internal Battery
- Data retrieval by printer and serial connection with PC
- Massive Data Storage for periods longer than 1 month
- **CONTROL NOISE FROM:** 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 luminous indicator showing that the unit is connected to the mains and It features two illuminated indicators, to tell you that the

environmental noise does not exceed legal limits, and to warn that you are exceeding the legal.

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

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) ($Limit_{alarm} > Limit_{pre-alarm}$), these switches for a set switching time.

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



Technical specifications

Sound level recorder-limiter RS-60

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: 220 V

Maximum switching current : 1 A

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

270×240×75 mm

8 kg

MAINS POWER SUPPLY

220 V – 50-60 Hz

BATTERY FEED

With automatic recharge

Minimum battery duration: 5 days

MAXIMUM CONSUMPTION

25 W

STORAGE CAPACITY

60 days (Tleq reg = 1 min)

CESVA *instruments, s.l.*

reserves the right to change specifications and accessories without notice.

SUPPLIED ACCESSORIES

- Sensor LXM-8
- Cable CNOMX9
- SFTR60 Software application

OPTIONAL ACCESSORIES

- | | |
|----------------|--------------------------|
| CB-5 | Sound calibrator |
| DL-SE | External display |
| ALIC-1 | Pincers to seal |
| PLOM-1 | Lead seal of Ø9 mm (1kg) |
| ALAMB-1 | wire to seal (50 m roll) |

Software Windows® 9x/Me/2000/NT/XP For RS-60

The **RS-60** is supplied with the software application that allows you to:

- Data obtaining in electronic format
- Just one screen to program all the parameters
- Tool to program the RS-60
- Password protection



Main menu



Generate a report



Example of graph

Summary of registers



Programming screen



Password protection