

# EQD-50 SR

## Sound Level Limiter



Spectral sound level limiter to control sound level pressures.

Control the sound level emission further the characteristics of the emitter and receiver premises.

Record 4000 sonographic parameters LAeq60".

Record all incidents: disconnection of electrical network, handling.

Protected thanks to various electronic keys: identify the people who enter.

Adjustable to any type of norm.

Internal system of calibration.

Storage of data for periods superior to one month.

Configuration and obtaining data thanks to our software.

The sound level pressure EDQ-50 SR device measures and controls the sound level pressure of the premise where it is installed. The EQD-50 SR device is installed in the chain of musical reproduction, between the processor and the amplifier, intervening in the all sound chain.

EQD-50 SR device corrects automatically the excess of the sound level of music thanks to its function of equalizer. This allows the adequacy of the maximum sound spectrum permitted in the room (function of soundproofing of this one) and of the allowed maximum spectrum emission. The maximum attenuation of our apparatus is about 40 dB. The EQD-50 SR device corrects excesses of level of the signal without restrictive attenuation.

The EQD-50 SR device acts according to the levels of the electric signal of the chain of musical reproduction, in a maximum time of 90 msec., according to the insulation of the room and the insulation of adjacent dwelling programmed. This spectral attenuation makes possible to obtain the maximum sound level pressure in the room without excess in the adjacent dwellings.

The EQD-50 SR lays out a recorder function which allows to record medium sound levels and possible incidents (microphone manipulations), for a period up to one month.

The EQD-50 SR recorder works independently of the sound level limiter. Each time the noise level exceeds 73 dB(A) during more than 12 minutes, the apparatus considers that a new session begins. When this level goes down 73 dB(A) during 12 minutes, the apparatus records the end of session.

The EQD-50 SR device lays out too a sonographe function which informs us, for each session, about:

- Time and date of the beginning of session;
- Time and date of the end of session;
- Efficacy of the both « Amplifier – Speaker – Microphone », in dB(A).
- Effort the limiting device to support the levels of sound pressure in % of operation throughout the session.
- Maximum signal level (Peak) which crosses the system.
- Medium equivalent level one minute of each session with its respective time and dates.
- Maximum equivalent level one minute.
- Minimum equivalent level one minute.

The storage data is obtained thanks a personal computer or via SMS transmission.

An optional display can be used for the public or the DJ's.

The installation and modification of the parameters are made with our own software : GestionSDR. It is protected with various electronic keys.

# EQD-50 SR Device Characteristics



## INPUTS / OUTPUTS

### Audio inputs and outputs

Asymmetrical E/S connectors (non-balanced):

Input: XLR Female

Output: XLR Male

Symmetrical E/S connectors (balanced):

Input: XLR Female

Output: XLR Male

### Input impedance

20K

### Output impedance

300Ω

### Maximum level to the input without distortion

3Vpp

### Frequency response

10 - 20 KHz

### Signal / Noise Relation

> 80dB

### ADC Resolution

16 bits

### Dynamic range

80dB

### External display connection output

DB - 9

### External GSM MODEM connection output

Centronics C14

## Systems of data transmission

Adapted to Monitoring systems of PdAudio  
SSMmR and SIAC

Line MODEM

SMS (GSM, GRPS)

## RECORDING MICROPHONE

### Measurement range

60 - 105 dBA

### Frequencies range

100 - 8KHz

Measurements type II further the IEC 651

## DISPLAY

External display (optional)

## DIMENSIONS AND WEIGHT

420 x 160 x 40 mm

1 unit. rack 19"

2 Kg

## ALIMENTATION

220V 50 - 60 Hz

## MAXIMUM CONSUMPTION

20 W

## DATA PROTECTION

Without external alimentation, up to 10 years