

EQD-100 Sound Level Limiter



Spectral sound level limiter (1/3 octave)
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-100 device measures and controls the sound level pressure of the premise where it is settled. The EQD-100 device is installed in the chain of musical reproduction, between the processor and the amplifier, intervening in the all sound chain.

EQD-100 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-100 device corrects excesses of level of the signal without restrictive attenuation.

The EQD-100 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, in 1/3 octave. This spectral attenuation makes possible to obtain the maximum sound level pressure in the room without excess in the adjacent dwellings.

The EQD-100 device lays out 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.
- Medium equivalent level one minute.
- Minimum equivalent level one minute.

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

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-100 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.