

CE

DB 100



Technical features

prepolarised electret condenser.

.....IEC 61672-1 Class 2 /

IEC 60651 Class 2 / IEC 60804 Class 2

......30-130 dBslow, fast

.....

128 × 64 가

.....0,1 dB

.....30 - 130 dB

.....1000 Hz

•

95 % RH max.

......0 ~ +5010 ~ +5030 ~ 90% RH

65%RH, 40

..... Class 2 Standards.....IEC 61672-1 / IEC 61651 / IEC 60804

..... 89/336/CEE

(Rq: rechargeable batteries must not be recharged inside the instrument)

Ouput

(20



DO NOT PLUG USB cable. The output **is not USB** compatible, the plug is maintenance- and optional accessory-specific.



Description

DB 100

- 가

• L_A FAST / SLOW 가

 $(\boldsymbol{L_{A}})$ dBA, $\boldsymbol{L_{Amax}}$, $\boldsymbol{L_{Amix}}$

CTL 100

Automatic check of sound level meter

Principle of automatic check

Initial check

To be carried out at the delivery, when instrument is new and calibrated (laboratory or manufacturer) or after periodic calibration procedure, or after repair.

Frequent check

To be carried out **BEFORE**:

- each measurement dataset

To be carried out **AFTER**:

- an impact applied on the instrument,
- storage in extreme environment (high temperature, wet environment etc...)
- a long period of storage

Working principle

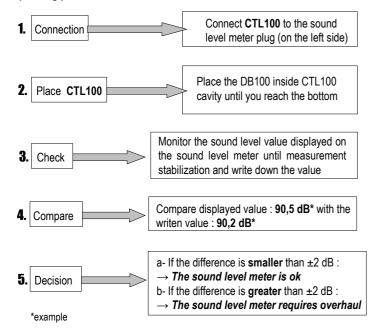
CTL100 gives a stable acoustic signal 90 dB at 1000Hz, automatically delivered once plugged to the sonometer. The user shall write down the LA value, fast (F) or slow (S) displayed on the sound level meter.

The sound level meter value and the CTL100 reference value must not exceed $90 \text{ dB} \pm 2 \text{dB}$ difference.

In case of greater difference, the sound level meter shall be returned to Customer Service Department.

Note: The sound level meter can not be calibrated with the CTL100. An acoustic calibrator must be used to calibrate sound level meters or the instrument can be sent to specialized laboratories or Customer Service Department. **CTL100** works only for **DR100**

Operating procedure:





Presentation

The automatic check consists in comparing sound level meter value with level produced by **CTL100**. The principle allows to periodically check sound level meter performance, especially the microphone performance which is the sensing element of the instrument.

CTL100 can not replace an acoustic calibrator which must be used for sound level meter calibration.

Technical features

Emission

Frequency	1000 Hz ± 5%
Level	
Stability	< 0.5 dB

Automatic power supply

When being connected to the sound level meter

Environment

Operating temperature	from +5 °C to + 40 °C
Pressure	1013 hPa ± 10%
Storage relative humidity	80 % RH max.
CE labelling	As per 89/336/CEE guideline

Dimensions

Dimensions (Wit	:hout cable)	140 x 28 x 25 mm
Weight		50 g