

**Sound level meter  
DB 100**



\*Livré avec écran anti-vent

**Technical features**

• **Microphone**

Microphone.....prepolarised electret condenser.  
Nominal sensitivity.....20 mV/Pa .

• **Sound level meter**

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

Measured parameters..... $L_A$  and  $L_{Aeq}$

Other displayed parameters..... $L_{AFmax}$ ,  $L_{AFmin}$ ,  $L_{ASmax}$ ,  $L_{ASmin}$

Frequency weighting.....A

Measuring range.....30-130 dB

Time weighting.....slow, fast

Data integration time for  $L_{Aeq}$ .....from 1s to 15 min

Overload indicator.....detected at the peak sound-pressure level

Backlighted display.....graphic 128x64 pixels.

Adjustable contrast.

Resolution.....0,1 dB

Reference direction.....microphone axis

Reference range.....30 - 130 dB

Reference level.....94 dB

Reference frequency.....1000 Hz

• **Environmental effects**

Storage relative humidity.....95 % RH max.

Storage temperature.....from 0 °C to + 50 °C.

Operating temperature.....from -10 °C to + 50 °C.

Humidity dependence.....in accordance with standard between 30 and 90%RH, reference being at 65%HR and 40°C.

Static pressure dependence.....According to class 2 requirements

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

Electromagnetical compatibility.....As per 89/336/CEE guideline

• **Power supply**

Batteries.....3 AAA or rechargeable batteries

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

Battery life (at 20°C).....30 hours min (with alkaline batteries)

• **Output**

**Description**

DB 100 sound level meter is reliable, easy to use and in accordance with metrology requirements. DB100 can measure :

- Sound-pressure level

- Time averaged or equivalent continuous sound pressure level

- **Sound-pressure level  $L_A$**   
as per two weighting times FAST or SLOW

To be used for stable or slightly fluctuating sound sources. Sound-pressure level ( $L_A$ ) unit is dBA and  $L_{Amax}$  and  $L_{Amin}$  values are saved.

- **Time averaged sound level  $L_{Aeq}$**

To be used for fluctuating sound sources. Time averaged sound level ( $L_{Aeq}$ ) unit is dBA with a programmable integration time in minutes and seconds.