



SOUND LEVEL METER HD 8701

The sound level meter **HD 8701** is a portable instrument, easy and quick to use, suitable for measuring industrial and civil noise levels.

The noise levels can be read easily in dB(A) on the large liquid crystal display which also shows all the information concerning the mode of operation of the instrument.

One second after switching on and with a resolution of 0.1 dB, the digital reading gives the continuously updated value of the RMS sound pressure level, with a type A frequency weighting. The single range from 30 to 130 dB further simplifies the use of the instrument, as the user does not have to change scale.

With the keyboard the following operations are possible:

- selecting the response time constant S/F
- displaying the maximum value recorded "MAX" and zeroing it "RESET MAX"
- freezing the indication on the display "HOLD".

METHOD OF USE

To switch the instrument on, press the ON/OFF key; to switch it off, press the ON/OFF key again. The time constant may be selected by means of the S/F key: Slow (1 second) - Fast (125 milliseconds), which are shown on the display with the letter "S" or "F".

The indication on the display may be frozen by means of the HOLD Key. When the HOLD Key is pressed for the second time, normal operation is resumed (continuous updating of reading).

Freezing of readings is indicated on the display with the letter "HOLD".

When the MAX key is held down, the display indicates the maximum value automatically recorded by the instrument (for periods not exceeding one minute) since it was switched on or since last time the RESET MAX key was pressed. The display also indicates if the battery is low.

If the instrument is in measuring mode it switches off automatically about 3 minutes after being switched on. In MAX mode and HOLD mode automatic switching off of the instrument is disabled.

In measurement mode, automatic switching off may be disabled by shifting the bridge in the battery compartment.

In order to ensure lasting precision of the instrument, it is advised to calibrate it from time to time by means of the "CAL" multirev trimmer in the probe, after connecting the microphone to the calibrator HD 9102.

TECHNICAL FEATURES

- Measuring range: 30 dB(A)...130 dB(A)
- Frequency response: weighted A
- Time constants: S = slow (1 s) and F = Fast (125 ms)
- Resolution: 0.1 dB
- Precision: class 2
- Display: 12 mm LCD with indication of operating mode and low battery
- Power supply: 9 V battery
- Autonomy: (continuous duty) 15 hours with zinc-carbon battery, 30 hours with alkaline battery
- Working temperature: -5...+50°C
- Storage temperature: -20...+70°C
- Dimensions instrument: 80 x 160 x 40 mm
- Weight: 350 gr.

