Data sheet
testo 815

Be sure. testo

Sound level measuring instrument

testo 815



dB

- Frequency evaluation according to characteristic curves A and C
- Easy to adjust
- Maximum and minimum store
- Switchable time evaluation Fast/Slow

The testo 815 is the ideal instrument for the evaluation of sound level in everyday work. The instrument can be used for monitoring measurements in the areas of air conditioning or heating, on combustion plants or at workplaces, however machine or discotheque noise can also be evaluated quickly and precisely.
Using the Fast/slow button, the measurement time can be set from 1 s to 125 ms, in order to better evalaute the noise source. The frequency analysis can also be switched from characterisitc curve A to C. The characteristic curve A corresponds to the sound pressure perception of the human ear, whereas characteristic curve C can also evaluate the low-frequency components of a sound.
With the help of the optional calibrator, the measuring instrument can be recalibrated directly on site with the screwdriver provided. The wind protection cap included in delivery ensures correct measurement results when measuring outdoors, and if required can protect the microphone from dirt and dust.

Be sure. testo

Technical data / Accessories

testo 815

testo 815, sound level meter incl. calibration scewdriver, wind screen and battery

Part no. 0563 8155



Technical data testo 815

Measuring range	+32 to +130 dB
Frequency range	31.5 Hz to 8 kHz
Accuracy ±1 digit	±1.0 dB
Resolution	0.1 dB
Operating temperature	0 to +40 °C
Storage temperature	-10 to +60 °C
Battery type	9V block battery
Battery life	70 h
Weight	195 g
Dimensions	255 x 55 x 43 mm

Section meas. ranges: 30 to 80 dB; 50 to 100 dB; 80 to 130 dB
Time weighting: FAST 125 ms setting / SLOW 1 s setting
Pressure dependency: -0.0016 dB/hPa

Technical data sound level calibrator

Battery type	9V block battery
Battery life	40 h
Accuracy	±0.5 dB in accordance with Class 2 to IEC 60942

Sound pressure level: 94 dB/104 dB, switchable
Frequency: 1000 Hz
Also suitable for ½ and 1 inch microphones by other manufacturers

Accessories for measuring instrument	Part no.	
Calibrator, for regular calibration of testo 815, testo 816-1	0554 0452	
ISO calibration certificate; sound level calibrators and pistonphones on two fixed sound pressure values	0520 2810	
ISO calibration certificate pressure **Pressure chamber calibration** – calibration at the measuring points 94 dB/1000 Hz and 114 dB/1000 Hz for up to three frequency evaluations (A, C and Z) **Free-field calibration** – calibration of the amplitude frequency response in the free field at fixed frequencies in third interval. Possible frequency range 125 Hz to 20 kHz. **Free-field and pressure chamber calibration** – calibration of the amplitude frequency response at fixed frequencies in third interval. Possible frequency range 31.5 Hz up to 20 kHz.	0520 2812 0520 2812 0520 2812	

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Subject to change without notice.