

Sound Level Meter/Logger

testo 816-1 - Sound Level Meter with Integrated Data Storage

Meets ANSI S1.4 Type 2 and IEC 61672-1 class 2 performance standards

Integrated data storage for up to 31,000 readings

Data management and analysis with included software

Fast/Slow switchable time weighting

Backlit numerical and bar graph display

AC and DC output compatibility

Frequency weighting A and C



dB

The testo 816-1 is ideal for sound level measurements at workplaces, in commercial, and public areas. With the touch of a button, the 816-1 can be switched from Slow (1 sec.) to Fast (125 ms). It is also possible to switch between the frequency weighting characteristic curves A and C. Characteristic curve A corresponds to the sound pressure sensitivity of the human ear, while characteristic curve C can evaluate low-frequency components of a noise.

The integrated data store allows the storage of over 31,000 readings. Then download them for additional data analysis and management. The optional sound calibrator allows for easy on-site calibration.

Technical Data / Accessories

testo 816-1

testo 816-1, Sound Level Meter
incl. microphone, wind protection,
software, connection cable, manual
on CD and batteries in system case

Part no. 0563 8170



Technical data sound level calibrator

Battery type	9V block battery
Battery life	40 h
Warranty	2 years
Accuracy	±0.5 dB in accordance with Class 2 to ANSI S1.4 Type 2

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

Technical data testo 816-1

Measuring range	30 to 130 dB
Frequency range	20 Hz to 8 kHz
Accuracy ±1 digit	±1.4 dB (under reference conditions: 94 dB, 1 kHz)
Resolution	0.1 dB
Frequency weighting	A / C
Microphone	½ inch
Measuring rate	0.5 s
Dynamic range	100 dB
Data storage	approx. 31,000 readings
Operating temperature	32 to 105 °F (0 to +40 °C)
Storage temperature	15 to 140 °F (-10 to +60 °C)
Battery type	4 x AA batteries
Weight	13.8 oz (390 g)
Dimensions	10.7 x 3.3 x 1.7 in (272 x 83 x 42 mm)
Time weighting	FAST 125 ms / SLOW 1 sec
AC/DC output	AC: 1 V RMS at full scale DC: 10 mV/dB

Accessories for measuring instrument

Part no.

Sound Calibrator, for regular calibration of testo 815, testo 816, testo 816-1	0554 0452
ISO calibration cert./sound pressure; calibration point 94 dB at different frequencies	0520 0111
ISO calibration certificate sound pressure calibrators	0520 0411

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