

# Sound level measuring instrument

**testo 816 – Sound level measuring instrument with AC/DC output for data readout**

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Frequency evaluation according to characteristic curves A and C

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Easy to adjust

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Maximum and minimum store

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Switchable time evaluation Fast/Slow

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Automatic range switchover

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Bar graph display

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AC and DC outputs for connection to further instruments

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The testo 816 is the ideal sound level measuring instrument for assessors, workplace measurements and for the measurement of industrial and environmental noise. Using the Fast/Slow button, the measurement time can be set from 1 s to 125 ms, in order to better evaluate the noise source. The frequency analysis can also be switched from characteristic 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.

The testo 816 also has an AC and DC output. Via the AC output, recorders or amplifiers can be connected directly to the instrument, and via the DC output, graphical recorders

or data loggers can be used easily and directly on site. The analog bar graph display offers the user a fast overview over the complete measuring range.

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.

# Technical data / Accessories

**testo 816**

testo 816 sound level meter incl. microphone, wind protection cap, battery, stereo jack 3.5 mm in system case with battery



Part no. 0563 8165

**Technical data testo 816**

Measuring range	+30 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	50 h
Weight	315 g
Dimensions	309 x 68 x 50 mm
Warranty	2 years

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
Warranty	2 years
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 1/2 and 1 inch microphones by other manufacturers

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Subject to change without notice.

Accessories	Part no.
<b>Accessories for measuring instrument</b>	
Calibrator, for regular calibration of testo 815, testo 816	0554 0452
Mains unit 8V / 1000 mA; with interchangeable mains plugs	0554 1094
ISO calibration cert./sound pressure; calibration point 94 dB at different frequencies	0520 0111
ISO calibration certificate sound pressure calibrators	0520 0411

