



testo 815 / 816

Measuring Sound Level from 30...130 dB

Sound level measurement – To DIN/IEC 60651, Class 2



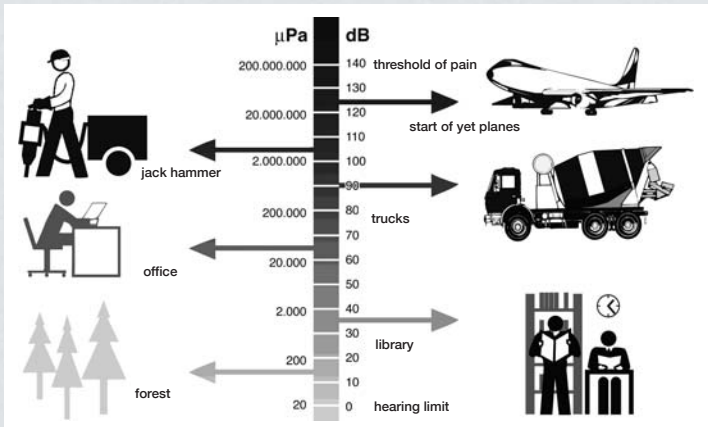
dB

Belastung
max 400 K

testo 816
30...130dB

Real-world Sound Level Measuring Instruments

Whether at a working place, in machine halls, offices, in discotheques or in the environmental field, it is important to control sound levels, which is often prescribed. testo 815 and 816 are easy to operate, precise sound level measuring instruments of the accuracy class 2. A calibrator for controlling and calibrating can be ordered as an accessory.



The Parameter Sound

Next to the human eye the human ear is the sense organ used the most. Due to sound occurrences in our ambience - be it a tone, music, bird twittering or machine noise - we participate in our ambience via the ears. The ears are a precious sense organ, which is necessary to be protected. Especially in the job-related everyday life, sound is generated by machine noise in a way we sense as disturbing. Everybody knows, noise and sound occurrences, which are too loud on a continuing basis can damage the ear permanently. The new sound level measuring instruments testo 815 / 816 are modern sound level measuring instruments, which allow us to measure and evaluate sound, noise or pure tones.

testo 816

The instrument for evaluators, workplace measurements and measuring industrial and environmental noise. The bigger model offers additional features compared to the testo 815, which predestine it especially for evaluators, workplace measurements and measuring industrial and environmental noise.



Additional benefits of testo 816:

- Automatic range switchover
- Backlit display
- Mains unit connection
- BarGraph display
- AC output to connection from recorders and amplifiers
- DC output with 10 mV/dB to connect recorders or dataloggers



- time weighting
- part of meas. range
- frequency weighting
- present reading

- Max / Min memory
- frequency weighting A/C
- automatic range switchover
- On / Off key
- time weighting Fast / Slow
- backlit display On / Off
- analog output AC/DC
- easy calibration with screwdriver
- mains unit connection



Mutual features of both instruments

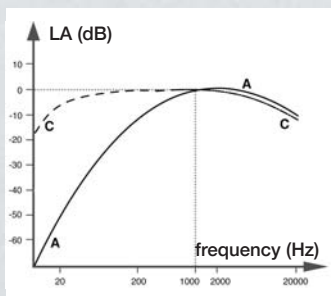
- Accuracy class 2 according to IEC 60651
- Easy to adjust (calibration screwdriver included)
- Frequency weighting according to characteristic line A and C
- Max / Min memory
- Built-in stand screw \varnothing 1/4 inch
- Switchable time weighting Fast / Slow

testo 815

The ideal instrument for daily use. Whether it is for air conditioning or heating, disco noise, machine noise or noise in combustion systems, testo 815 is the ideal partner.



Sound weighted curves



- The "A" weighted graph corresponds to the hearing sensation of the human ear.
- The "C" weighted graph is used for measuring low frequency sounds.



- frequency weighting
- present reading
- time weighting
- part of measuring range
- Max / Min memory
- frequency weighting A/C
- automatic range switchover
- On / Off key
- time weighting Fast / Slow
- easy calibration with a screwdriver

Sound Level Calibrator

Sound level measuring instruments should be re-calibrated in case of changes in place or temperature. With the help of the calibrator, available as an accessory, both instruments can easily be controlled and adjusted. Two levels can be adjusted (94 and 114 dB). It is as well suited for 1/2 inch and 1 inch microphones of other makes.



LED function and battery status indication

2 levels adjustable



Removable adapter ring for calibrating instruments with 1 inch microphones. With inserted adapter ring 1/2 inch microphones can be fitted (testo 815 / 816).

Sound level calibrator, more security!

For regular control, especially in case of temperature or air pressure variations, due to changing weather conditions, the measuring instrument should be adjusted with a calibrator. 2 levels can be adjusted at the calibrator (94 dB / 114 dB).


Fax Order Form

Qty.	Measuring instrument	Part no.
	testo 815 Sound level meter, accuracy class 2, incl. microphone, wind protection cap and battery	0563 8155
	testo 816 Sound level meter, accuracy class 2, incl. microphone, wind protection cap, battery, stereo jack 3.5 mm, in a practical measurement case	0563 8165

Qty.	Accessories	Part no.
	Calibrator, for regular calibration of testo 815, testo 816	0554 0452
	ISO calibration cert./Sound pressure, Calibration points 94 dB(A); 104 dB(A); 114 dB(A) at different frequencies	0520 0111
	Power unit 230 V/ 8 V/ 1 A, for instrument (European plug)	0554 1084
	Sound fibula, entering guide in sound level measuring technology	0980 0763

Technical data	testo 815	testo 816
Meas. range	+32 to +130 dB	+30 to +130 dB
Accuracy ±1 digit	Class 2 ±1.0 dB	Class 2 ±1.0 dB
Resolution	0.1 dB	0.1 dB
Battery life	70 h	50 h
Weight	195 g	315 g
Dimensions	255 x 55 x 43 mm	309 x 68 x 50 mm
Battery type	9V block battery	9V block battery
Oper. temp.	0 to +40 °C	0 to +40 °C
Storage temp.	-10 to +60 °C	-10 to +60 °C

Other features Section measurement 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/114 dB, switchable
	Frequency:	1000 Hz
Also suitable for 1/2 and 1 inch microphones by other manufacturers		

Sender

Name

Company

Department

Address

City

Date, Signature