

A FEW PRACTICAL BENEFITS:

- Accuracy class 2 according to IEC 61672
- Frequency weighting as per characteristic curves A and C
- Maximum and minimum value display
- Storage space for up to 32,700 measured values
- Reversible time weighting (fast / slow)
- Display illumination
- Bargraph display
- 1/4-inch tripod thread
- Data logger function (SL400)
- Analysis software (SL400)
- USB connection and 3.5 mm jack socket (SL400)
- Incl. calibration certificate (SL400)

The sound level measuring devices SL300 and SL400

Professional control and monitoring of workplace, industrial and environmental noise



SL400 with live logging function
Incl. calibration certificate

These easy-to-handle sound level measuring devices unite modern electrodynamic sound transducer technology and compact design.

SL300 and SL400 meet the requirements for sound level meters of accuracy class 2 according to IEC 61672-1 and ANSI S1.4 and are ideally suited for the documentation of machine and environmental noise, for workplace measurements or expert assessments.

The four-digit measuring value display of the two measuring devices with additional bargraph presentation can easily be read in every environment thanks to the LCD background illumination.

With type A and C frequency weighting, fast/slow time weighting and many more practice-oriented functions these measuring devices are the perfect solution for demanding sound level measurements.

Their handy design, the light weight and the arrangement of keys optimized for single-handed operation make SL300 and SL400 the ideal basic equipment for standard measurements in the fields of industry, work and environmental protection.



SL400 for yet more application possibilities

The SL400 is further equipped with a live logging function and enough data memory to record up to 32,700 measured values. For a software-supported analysis the measured data can simply be transferred to a PC via USB.

For logging or non-stop measurements the SL400 can further be fixed to the supplied mini tripod.

Moreover, an integrated 3.5 mm jack socket provides the SL400 with connections facilities for frequency analysers or x-y plotters.

A calibration certificate is already included in the SL400's scope of delivery.



Professional sound level measuring devices with manifold possible applications:

- Noise hazard measurements for occupational safety
- Environmental protection applications for the determination of ambient noise
- Determination of noise sectors for noise abatement measures in enterprises and public institutions
- Examination and selection of hearing protection devices
- Auditing the adherence to noise protection regulations
- Control measurements in air-conditioning and heating engineering



Technical data sound level measuring devices	SL300	SL400
Article number	3.510.005.010	3.510.005.020
Measuring range	30 - 130 dB	30 - 130 dB
Accuracy	IEC 61672-1 class 2, ANSI S1.4 type 2	IEC 61672-1 class 2, ANSI S1.4 type 2
Resolution	0.1 dB	0.1 dB
Frequency range	31.5 Hz - 8 kHz	31.5 Hz - 8 kHz
Dynamic range	50 dB	50 dB
Partial measuring ranges	30 ... 80 dB (low), 50 ... 100 dB (medium), 80 ... 130 dB (high), 30 ... 130 dB (auto)	30 ... 80 dB (low), 50 ... 100 dB (medium), 80 ... 130 dB (high), 30 ... 130 dB (auto)
Response time	500 ms	500 ms
Time weighting	Slow (S) 1 s, Fast (F) 125 ms	Slow (S) 1 s, Fast (F) 125 ms
Microphone	Electret condenser microphone	Electret condenser microphone
Power supply	9 V battery IEC 6LR61 / 6F22	9 V battery IEC 6LR61 / 6F22
Application period without battery change	> 30 h	> 30 h
Operating conditions	0 to 40 °C, 10 to 90 % RH	0 to 40 °C, 10 to 90 % RH
Dimensions	210 x 55 x 32 mm	255 x 63 x 45 mm
Weight	230 g	305 g
Scope of delivery	Measuring device with operating manual and transport bag	Measuring device incl. calibration certificate, power supply unit, mini tripod, USB cable, analysis software, operating manual and transport case

Equipment features and functions	SL300	SL400
Four-digit measuring value display	■	■
Bargraph display	■	■
Display illumination	■	■
1/4-inch tripod thread	■	■
Plug-on wind shield for microphone	■	■
A/C frequency weighting	■	■
Max / Min / Hold function	■	■
Reversible time weighting	■	■
Alarm function	■	■
Storable measured values	50	32,700
Live logging function	-	■
USB interface	-	■
Jack socket (3.5 mm)	-	■
Mini tripod	-	■
Analysis software	-	■
Calibration certificate	-	■

Trotec
Temperature
Multi-function
Climate
Moisture
Data loggers
Software
Emission
Air Flow
Optical inspection
Leak detection
Tracing and detection
Planning and survey