



SOUND LEVEL METER

SC-202

The SC-202 Class 2 Integrating Sound Level Meter is more than an acoustic measuring instrument since it not only performs the measurements but **also the checks and calculations indicated in the standards, to obtain, on site, the final result.**

The SC-202 is a class 2 sound level meter that can be upgraded to a spectrum analyzer by octave bands and third octave bands that **measures all parameters simultaneously with all frequency** and time weightings in the different time bases without the need to configure it.

This model of sound level meter has a removable preamplifier to measure both vehicle and machine noise (sound pressure and sound power).

Standar Equipment

- ✔ Sound level meter SC-102.
- ✔ Protective case.
- ✔ Sound level meter calibrator.****

Technical Data

Certificates and standards

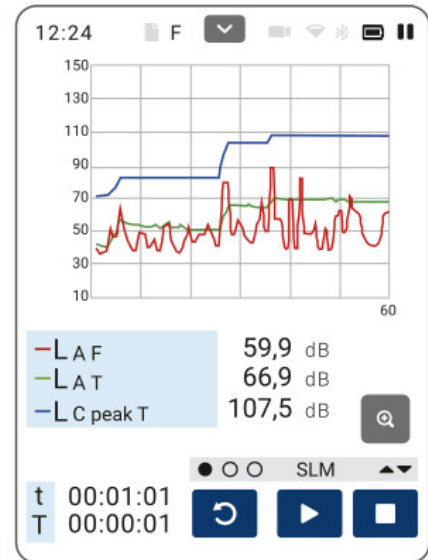
- ✔ Conformity assessment by the following combination of modules: Test model (Module B) and Declaration of Conformity based on quality assurance of the production process (module D) according to the Order ITC / 2848/2007 model on legal Metrology.
- ✔ UNE-EN 61672-1: 05 Class 2, UNE-EN 60651: 96 (A1: 97) (A2: 03) class 2
UNE-EN 60804: 02 type 2.
- ✔ EN 61672-1: 03 Class 2, EN 60651: 94 (A1: 94) (A2: 01) Class 2,
EN 60804:00 type 2.
- ✔ IEC 61672-1: 02 Class 2, IEC 60651: 01 Class 2, IEC 60804: 00
type 2.
- ✔ ANSI S1.4: 83 (R2001) Type 2, ANSI S1.43: 97 (R2002) Type 2,
ANSI S1.11:04.
- ✔ CE achieving Low Voltage Directive 73/23 / EEC and EMC
89/336 /EEC as amended by Directive 93/68 / EEC.

Measurement range

C-130 + PA-13		
LF, LS, LT y Lt		
Measuring range:	A	C
Upper limit	137	137
Lower limit	27,8	29,6
Lpeak		
Linear measuring range	55	-140dB

Noise

C-130 + PA-13		
Electrical noise		
Maximum	20,2	22,2
Typical	14,5	16,7
Total noise (electrical + thermal microphone)		
Maximum	29,8	22,2
Typical	25,7	29,7



Technical data

Peak detector Lpeak

Rising time < 75 ms

Microphone

Model P-05: pre-polarized condenser microphone with preamplificador incorporated. Equivalent impedance 3000 Ω. Nominal sensitivity: 16 mV / Pa in reference conditions

Frequency weighting

Meets IEC 61672 standard Class 2
Weightings A and

Time weighting

LF, LS, as tolerances Class 2

Parameters

Resolution: 0.1 dB

Influence of humidity

Operating margin in absence of condensation: 25-90%
Maximum error for 25% <RH <90% at 40 ° C and 1 kHz: 0.9 dB

Storage

Storage without batteries: <93%

Effects of magnetic fields

The sound level meter complies with the basic specifications of standard 61672-1 for the required immunity to the fields to the frequency of the AC Power Supply and radio frequency.

Influence of temperature

Operation range: 0 to +40 ° C
Maximum error (0 to +40 ° C): 0.9 dB
Storage without batteries: -20 to +60 ° C

Effects of vibrations

Frequency 20-1000 Hz and 1 m / s²: <75 dB (A)

Power Supply



Two 1.5 V AA batteries (LR6).
Typical duration with continuous use: 24 hours


Dimensions

Dimensions: 291 x 82 x 20 mm

Weight: with batteries: 463 g. without batteries: 413 g

Optional Equipment

	CB004	Calibrator for sound level meters and dosimeters
	TR-40	Holding tripod for the sound level meters (1.1 m.)
	TK1000	Kit for exterior measurements: with desiccant, preview and micro protection against rain, wind and birds. Includes 3m cable, carrying case, microphone adapter.

	CN003	Microphone extension cable (3m)
	ML040	Transport case (48 x 37 x 16 cm)
	GEN-INTE	Standard integration software
	GEN-INTO	Integration software other non-integrated management software