

Applications

- Leisure and community noise evaluation
- Vehicle and traffic noise

User friendly

- All parameters are measured simultaneously: L_{AS} , L_{AF} and their maximums
- It has a single range (No range change): 30 - 130 dBA

Features

- Sound Level Meter type 2 complying with EN 60651
- A Frequency Weighting

The **SC-2c** is a type 2 sound level meter that includes many features and it is very easy to operate. It has a single range, and so it is not necessary to pre-set the measurement range in terms of the signal level to be measured. All the functions are measured simultaneously but only the value of the selected function is displayed. When the measurement is finished all the functions can be consulted, together with their maximum values.

The microphone is screwed and set up in such a way that it cancels out to the maximum the reflections around the **SC-2c**.



Standards

It complies with the following standards.

- EN 60651:94 (A1:94)(A2:01) type 2
- IEC 60651:01 type 2
- ANSI S1.4:83 (A1:01) type 2
- **CE** mark. It complies with the low voltage directive 73/23/EEC and the EMC 89/336/EEC directive amended by 93/68/EEC.

Measure range

- **L_{AF} and L_{AS}**

Limits:	0 - 130 dBA
Upper limit for crest factor 3:	123 dBA
Primary range:	50 -120 dBA

Noise

- Electric noise:

Maximum	24,0 dBA
Typical	23,0 dBA
- Total noise (electric + thermal noise of the microphone)

Maximum	28,8 dBA
Typical	26,7 dBA

Frequency weighting

It complies with the standard EN 60651:1994(A1:1994) type 2
A frequency weighting according to tolerances for type 2.

Microphone

- Model **CESVA P-05**: Prepolarized condenser microphone with built-in preamplifier. Equivalent impedance: 3000 Ω (typical). Nominal sensitivity: 16 mV/Pa under the reference conditions.

Time weighting

L_{AF} and L_{AS} according to tolerances for type 2

Parameters

Functions: L_{AF}, L_{AS}
Resolution: 0,1 dB

Influence of humidity

Operation range:	30 to 90 %
Maximum error at 30%<H.R.<90% to 40 °C and 1 kHz:	0,5 dB
Storage without batteries:	< 93 %

Influence of magnetic fields

In an 80 A/m magnetic field (1 oersted) at 50 Hz, a reading of less than 30 dB(A) is given

Influence of temperature

Operation range:	-10 to +50 °C
Maximum error (-10 to +50°C):	0,5 dB
Storage without batteries:	-20 to +60 °C

Effects of vibrations

For frequencies between 20 and 1000 Hz and 1 m/s²: < 75 dB(A)

Battery

One 9-volt battery type 6LF22
Battery life with continued use:

- Alkaline: 5 h
- Lithium: 15 h

Dimensions and weight

Dimensions:	260x82x19 mm
Weight with battery:	600 g
Weight without battery:	545 g

Supplied Accessories

FNS-020 Case

PVM-05 Windscreen

9-volt battery

Optional Accessories

CB006	Class 1 acoustic calibrator
CB004	Class 2 acoustic calibrator
TR-40	Tripod. Maximum height 1.1 meters
TR050	Tripod. Maximum height 1.55 meters
ML-50	Transporting briefcase (49x36x14 cm)
ML-10	Transporting briefcase (30x38x8 cm)
A-200	Mains feeder 220 V to 9 V
A-100	Battery feeder 12 V to 9 V
CNR-ITV	Microphone extension cable 10 m
TR002	Tripod Support for cable CNR-ITV

The characteristics, technical specifications and accessories may vary without prior notice