

## DIGITAL SOUND LEVEL METER SC-2c

- Sound Level Meter type 2 meeting UNE-EN 60651.
- User-friendly.
- All parameters are measured simultaneously:  $L_{AS}$ ,  $L_{AF}$  and their maximums.
- Measure Range 30 – 130 dBA
- It has a single range (No range change).
- A Frequency Weighting.

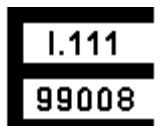
### GENERAL DESCRIPTION

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 processed 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**.



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# Technical Specifications

## Digital Sound Level Meter 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 :85) type 2
- Mark **CE**. It complies with the low voltage directive 73/23/EEC and the EMC directive 89/336/EEC amended by 93/68/EEC.

### MEASURE RANGE

$L_{AF}$ ,  $L_{AS}$

**Limits:** 0 – 130 dBA

**Upper limit for crest factor 3:** 123 dBA

### NOISE

#### Electric Noise

At 20°C: 23,0 dB (typical)

#### Electric noise + thermic noise of the microphone

At 20°C: 26,7 dB (typical)

### 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  $\Omega$  (typical)

**Nominal sensitivity:**

16 mV/Pa under the reference conditions

### TIME WEIGHTING

$L_{AF}$ ,  $L_{AS}$ , according to tolerances for Type 2.

### PARAMETERS

**Functions:**  $L_{AF}$ ,  $L_{AS}$

**Resolution:** 0.1 dB

### 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

### INFLUENCE OF HUMIDITY

**Operation range:** 30 to 90 %

**Maximum error at 30%<R.H.<90%, 40 °C and 1 kHz:** 0.5 dB

**Storage without batteries:** < 93 %

### EFFECTS 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.

### EFFECTS OF VIBRATIONS

**For frequencies between 20 and 1000 Hz and 1 m/s<sup>2</sup>:** <75 dB(A)

### BATTERY

One 9-volt battery type 6LF22

**Battery life with continued use:**

Alkaline: 5 hours

Lithium: 15 hours

### DIMENSIONS and WEIGHT

260 x 82 x 19 mm

With battery 600 g

Without battery 545 g

**CESVA** instruments, s.l.

reserves the right to change specifications and accessories without notice.

### SUPPLIED ACCESSORIES

- Case **FNS020**
- Windscreen **PVM05**
- 9-volt battery

### OPTIONAL ACCESSORIES

<b>CB-5</b>	Sound Calibrator
<b>TR-40</b>	Tripod
<b>ML-50</b>	Transporting briefcase (49 x 36 x 14 cm)
<b>ML-10</b>	Transporting briefcase (30 x 38 x 8 cm)
<b>A-200</b>	Mains feed 220V to 9 V
<b>A-100</b>	Battery feed 12 V to 9 V
<b>CNR-ITV</b>	Microphone extension cable 10 m