

SM-10 Sound Level Meter

Designed to meet the measurement requirements of Safety Engineers, Health, Industrial safety offices and quality control in various environments

The Amprobe SM-10 offers two types of measurements: A and C weighting. The A weighting is for general noise sound level, and the C weighting is for measuring sound level of acoustic material control in various environments. The SM-10 conforms to the IEC651 Type 2, ANSI S1.4 Type 2, and JISC1502 requirements for Sound Level Meters. This means the SM-10 uses two different weighting filters required by the IEC 651 and ANSI S1.4 Type 2: the A-Weighting and the C-Weighting audio filtering.

Highlights

- **A and C weightings** for checking compliance with safety regulations as well as acoustic analysis
- **Measuring ranges:**
 - A Weighting 30 ~130dB
 - C Weighting 35~130dB
- **Frequency range:** 31.5Hz~8KHz
- **Display with 0.1dB steps** on a 4 digits LCD
- **Slow (1 sec) and fast (125ms) response settings** to check peak and average noise levels
- **MAX/MIN recording**
- **Data Hold** to freeze reading on digital display
- **Accessories supplied:** Carrying case, windscreen, user manual and 9V Battery
- **CE**, designed to meet IEC651 Type2, ANSI S1.4 Type2



Safety Certification

All Amprobe tools, including the Amprobe SM-10, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



SM-10
Sound Level
Meter



Specifications

General Specifications

Display	4 digits LCD
Microphone	1/2 inch electric condenser microphone
Low Battery Indication	Replace battery when LCD displays "EOL"
Power Supply	9V NEDA 1604, IEC 6F22, JIS 006P battery
Power Life	Approx. 50 hrs (alkaline Battery)
Auto Power Off	Approx. 5 min
Environment	Indoor operation, < 2000 m

Temperature / Humidity

Operation	5 °C to 40 °C (41°F to 104°F); < 80% RH
Storage	-10 °C to 60 °C (14°F to 140°F); < 70 %RH
Dimension	200 x 55 x 38 mm (7.8 x 2.2 x 1.5 in)
Weight	233g. (0.5 lb.) Including battery

Electrical (Audio)

Standard applied	IEC 651 Type2, ANSI 1.4 Type 2
Dynamic range	50 dB
Resolution	0.1 dB, Display Update: 0.5 sec.
Time weighting	FAST(125mS), SLOW(1 sec)
Frequency range:	31.5 Hz to 8 kHz
Measuring level range	(Auto Range)
A Weighting:	30 to 130 dB
C Weighting:	35 to 130 dB
Accuracy	± 1.5 dB
Calibration cycle	1 year

CE-EMC

EN61326-1 This product complies with requirements of the following European Community Directives: 89/336/EEC (Electromagnetic Compatibility) and 73/23/EEC (Low Voltage) as amended by 93/68/EEC (CE Marking). However, electrical noise or intense electromagnetic fields in the vicinity of the equipment may disturb the measurement circuit. Measuring instruments will also respond to unwanted signals that may be present within the measurement circuit. Users should exercise care and take appropriate precautions to avoid misleading results when making measurements in the presence of electronic interference.

