

DIGITAL SOUND LEVEL METER WITH PC USB INTERFACE, 30-130 DB, 31.5HZ-8KHZ

Brand : Amprobe

Manufacturer Ref. : SM-20A



The Amprobe SM-20 Sound Level Meter has been designed for audible sound level measurements. 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 (ie 94dB 1 kHz etc...). The SM-20 conforms to the IEC651 Type 2, ANSI S1.4 Type 2, and JISC1502 requirements for Sound Level Meters. Which means the SM-20 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.

- Designed to meet the measurement requirements of Safety Engineers, Health, Industrial safety offices and quality control in various environments.
- 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 digit LCD
- Slow (1 sec) and fast (125ms) response settings to check peak and average noise levels
- MAX/MIN recording
- Internal memory, 14,000 records
- Recording intervals from 1 second to 8 hours
- PC computer download capabilities
- Data Hold to freeze reading on digital display
- CE, designed to meet IEC651 Type2, ANSI S1.4 Type2



FEATURES

Battery Life:	Approx. 50 hrs (alkaline Battery)
Size:	200 x 55 x 38 mm (7.8 x 2.2 x 1.5 in)
Weight:	233g. (0.5 lb.) Including battery
Safety:	CE-EMC

SPECIFICATIONS

Display:	4 digits LCD
Microphone:	1/2 inch Electret condenser microphone
Power Supply:	9V NEDA 1604, IEC 6F22, JIS 006P battery
Auto Power Off:	Approx. 5 min
Environment:	Indoor operation, < 2000 m
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

Characteristics:

sound level meter class :	Class 2
Max Sound Frequency Range (Hz) :	8 kHz
Min Sound Frequency Range (Hz) :	31.5 kHz
Min Measurement Range (dB) :	30 dB (A weighting); 35 dB (C weighting)
Max Measurement Range (dB) :	130 dB
Resolution (dB) :	0.1 dB
Accuracy (dB) :	1.5 dB
Frequency Weighting (Type) :	A (Human) C (Industrial)
Communication interface (Type) :	USB
Additional Characteristics :	Internal memory, 14,000 records. USB PC interface. Standard applied: IEC 651 Type2, ANSI 1.4 Type 2
Package includes :	Carrying hardcase, windscreen, multilanguage user manual, 9V Battery, USB cable, PC software
Dimension (HxWxD) (mm) :	200x55x38 mm
Net Weight (kg) :	233 g
Standard Manufacturer Warranty (Year) :	1 YEAR