

## SM-10, SM-20A



Amprobe SM-10



Amprobe SM-20

### Charakteristika

- Elektronický měřič úrovně hluku třídy 2 dle IEC 651
- Měření úrovně hluku s filtry typu A nebo C
- Přímé odečítání naměřené hodnoty v dB
- Nastavitelná doba vzorkovací periody (1 s / 125 ms)
- Kalibrátor SM-CAL1 jako volitelné příslušenství (94 dB a 114 dB)
- Funkce DATA HOLD
- Funkce MIN/MAX
- **Záznam naměřených hodnot s délkou záznamu až 8 hodin (pouze SM-20A)**
- **USB rozhraní pro přenos dat do PC (pouze SM-20A)**
- Rázuvzdorné pouzdro
- Podsvětlený LC displej 4000 číslic
- Indikace stavu baterie
- Automatické vypnutí

### Technická data

#### Zobrazení

LC displej 4 000 číslic, podsvětlený

#### Měření

##### Úroveň hluku

30 ... 130 dB (filtr A)

35 ... 130 dB (filtr C)

Rozlišení

0,1 dB

Kmitočtový rozsah

31,5 Hz ... 8 kHz

Přesnost

±1,5 dB

##### Provozní teplota

5°C ... 40°C při relativní vlhkosti < 80%

##### Skladovací teplota

-10°C ... 60°C při relativní vlhkosti < 70%

##### Napájení

1 ks baterie 9 V, IEC 6F22

##### Rozměry (ŠxVxH)

55 x 200 x 38 mm

##### Hmotnost

233 g (včetně baterií)

### Údaje pro objednávku:

SM-10 AM.3052366  
 SM-20A AM.3477333

### Součást dodávky:

SM-10 nebo SM-20A 1 ks  
 Software na CD (pouze SM-20A) 1 ks  
 USB kabel (pouze SM-20A) 1 ks  
 Baterie 9 V 1 ks  
 Návod k obsluze 1 ks



## SM-10 Sound Meter

The Amprobe SM-10 Sound Level Meter is designed to meet the measurement requirements of Safety Engineers, Health, Industrial safety offices and Quality Control in various environments. It 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 (ie 94dB 1 kHz etc...). The SM-10 conforms to the IEC651 Type 2, ANSI S1.4 Type 2, and JISC1502 requirements for Sound Level Meters. Which 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.

### No hassle warranty

*No waiting.*

*No shipping charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

- 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 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

## SM-10 Sound Meter

## Data Sheet

### Specifications

| General Specifications |  |
|------------------------|--|
| Display                | 4 digits LCD                             |
| Microphone             | 1/2 inch Electret condenser microphone   |
| Low Battery Indication | Replace battery when LCD displays "E3"   |
| 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                           |

|               |   |
|---------------|---|
| <b>CE-EMC</b> | 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. |
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### Obchodné zastúpenie

**MERATEST s.r.o.**, Družstevná 2 (Dom štát. správy 2.p.), 916 01 Stará Turá  
Mob.: **+421 903 533 859**, Tel.: +421 32 642 0909  
e-mail: [molec@meratest.sk](mailto:molec@meratest.sk), web: [www.meratest.sk](http://www.meratest.sk)

**Amprobe® Test Tools**  
website: [www.Amprobe.com](http://www.Amprobe.com)  
email: [info@amprobe.com](mailto:info@amprobe.com)  
Everett, WA 98203  
Tel: 877-AMPROBE

**Amprobe® Test Tools Europe**  
Amprobe Test Tools Europe  
Beha-Amprobe GmbH  
In den Engematten 14  
79286 Glottertal, Germany  
Tel.: +49 (0) 7684 8009 - 0

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