Specifications

MUS090-E

Our basic sound level meter combining durability and simplicity.

- Analog display
- Easy one button operation
- Rugged construction
- Battery check with LED indicator
- Measures same frequency as the human ear
- “A” frequency weighting
- Pocket size portability
- Easy to use & easy to read
- Battery included

Optional Accessories:
- Model SL-120

Check sound levels quickly and economically!

- Built-in electric condenser microphone
- Measurements from 54 to 126 dB in 7 ranges
- Manual ranging
- Analog scale with needle indicator
- Selectable fast/slow response
- Selectable A/C weighting
- Easy calibration adjustment
- Max Hold button to lock peak values
- Low battery checker
- Analog output for connection to recorders, data loggers, etc
- Threaded insert for tripod mount

Switch Settings:
- 60dB (54-66 dB); 70 dB (64-76 dB)
- 80 dB (74-86 dB); 90dB (84-86 dB)
- 100 dB (94-106 dB); 110dB (105-116dB)
- 120 dB (114-126 dB)

Model 8926

- Measuring Range: 54 to 126 dB (M)
- Frequency: 2 to 5 kHz
- Time Weighting: Fast/Slow
- Microphone: Electric Condenser
- Output:
- Conforms to:
- Power Supply: 1 x 9V alkaline battery (120 hours typical battery life)
- Dimensions: 2.7 x 7 x 1.4” / 68 x 180 x 36 mm
- Weight:
- Price: $89

Model SL-120

- Measuring Range: 40 to 120 dB (A)
- Frequency: 2 to 5 kHz
- Time Weighting: Slow
- Microphone: Capacitive
- Output:
- Conforms to: IEC 651 Type II, ANSI S1.4 Type 2
- Power Supply: 1 x 2.7V battery
- Dimensions: 5.7 x 1.97 x 1.18” / 145 x 50 x 30 mm
- Weight: 3.5 oz/100 g
- Price: $308

A variety of sound level meters with such features as

- Precision
  - Models that meet ANSI and IEC Type 2 standards.

- Analog or Digital Display
  - Select the model that best meets your requirements.

- Wide Measuring Ranges
  - To meet most noise measurement requirements.

- Field Calibration
  - Optional calibrators available for verifying accuracy.

Model 8926

- Measuring Range:
  - Resolution:
  - Accuracy:
  - Frequency:
  - Time Weighting:
  - Microphone:
  - Output:
  - Conforms to:
  - Power Supply:
  - Dimensions:
  - Weight:
  - Price: $89

Model SL-120

- Measuring Range:
  - Resolution:
  - Accuracy:
  - Frequency:
  - Time Weighting:
  - Microphone:
  - Output:
  - Conforms to: IEC 651 Type II, ANSI S1.4 Type 2
  - Power Supply:
  - Dimensions:
  - Weight: 3.5 oz/100 g
  - Price: $308

Optional Accessories:
- Model CA-52A Soft Carrying Case
  - Price: $15
Sound Level Meters

**Model SL-4010**
Rugged and ergonomically built to fit into the palm of your hand.
- Large, easy-to-read LCD display
- Triple range measurement
- "A" frequency weighting (same as the human ear)
- AC/DC output signal for use with dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Meets IEC 651 Type 2 requirements
- Data Hold & low battery indication
- 9V battery included

**Model SL-4022**
A digital sound level meter that can be used in conjunction with a datalogger.
- Large, easy-to-read LCD display
- Triple range measurement
- "A & C" frequency weighting
- AC output signal for use with dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Data Hold, Max Hold & low battery indication
- Hard carrying case & 2 x 9V batteries included

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (dB (A))</th>
<th>Range (dB (A &amp; C))</th>
<th>Accuracy (dB)</th>
<th>Frequency Range (Hz)</th>
<th>Measurement Mode</th>
<th>Microphone Type</th>
<th>Power</th>
<th>Dimensions (mm)</th>
<th>Weight (g)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL-4010</td>
<td>35 to 130</td>
<td>30 to 130 (A &amp; C)</td>
<td>±0.1</td>
<td>31.5 Hz to 8 kHz</td>
<td>Fast/Slow (A &amp; C)</td>
<td>1/2&quot; electret</td>
<td>1 x 9V</td>
<td>250 x 70 x 28</td>
<td>8.8</td>
<td>$234</td>
</tr>
<tr>
<td>SL-4022</td>
<td>35 to 130</td>
<td>30 to 130 (A &amp; C)</td>
<td>±0.1</td>
<td>31.5 Hz to 8 kHz</td>
<td>Fast/Slow (A &amp; C)</td>
<td>1/2&quot; electret</td>
<td>2 x 9V</td>
<td>260 x 87 x 36</td>
<td>16 oz/450 g</td>
<td>$577</td>
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</tbody>
</table>

**Model SC-941**
Sound Calibrator.
- Generates a stable acoustic signal at a controlled frequency and amplitude to verify the accuracy of your sound level meter in the field
- Generates a constant sound pressure level of 94 dB at a fixed frequency of 1,000 Hz

**Model SB-01**
Wind Shield Ball.
- Wind shield ball for sound level microphones
- Available for all models with a 1/2" condenser microphone

**Model CA-05A**
Fabric Carrying Case.
- Protect & store your sound level meter & accessories
- Dimensions: 8 x 5.25 x 2.5" (20 x 13 x 65mm)
Specifications

**K7010**

- **Measuring Range**: 30 to 130 dB (A & C)
- **Resolution**: 0.1 dB
- **Accuracy**: ±1.5 dB
- **Frequency**: 31.5 Hz to 8 kHz
- **Time Weighting**: Fast/Slow (A & C)
- **Microphone**: 1/2" electret condenser
- **Output**: AC/DC output
- **Conforms to**: IEC Type II, ANSI S1.4 Type 2
- **Power Supply**: 1 x 9V battery
- **Dimensions**: 9.65 x 3.15 x 1.4"/245 x 80 x 35 mm
- **Weight**: 10.6 oz/300 g
- **Price**: $495

**ST-805**

- **Measuring Range**: Low: 35 to 100 dB; High: 65 to 135 dB
- **Resolution**: 0.1 dB
- **Accuracy**: ±1.5 dB
- **Frequency**: 31.5 Hz to 8 kHz
- **Time Weighting**: Fast/Slow (A & C)
- **Microphone**: 1/2" electret condenser
- **Output**: AC/DC output
- **Conforms to**: IEC Type II, ANSI S1.4 Type 2
- **Power Supply**: 1 x 9V battery
- **Dimensions**: 8.3 x 2.2 x 1.3"/210 x 55 x 32 mm
- **Weight**: 8.1 oz/230 g
- **Price**: $195

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Why is frequency weighting so important?

Frequency Weighting
The system whereby a sound level meter differentiates decibel levels from among three frequency groups - high, middle and low.

**A Weighting**
Weighting that attenuates lower frequencies to approximate the response of the human ear.

**B Weighting**
Gives combined decibel readings of high-frequency and mid-frequency noise levels. Use in conjunction with A weighting to isolate the sounds that are causing a problem.

**C Weighting**
Reads all frequencies the same but gives a better response to higher frequencies than do A or B weightings. Use to pinpoint problems when A or B weighted scale readings are very high.

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A very versatile sound level measuring tool when used in conjunction with a datalogger.
- Large easy-to-read LCD display
- Triple range measurement
- "A + C" frequency weighting
- AC/DC output signal for use w/ dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Meets IEC 651 Type 1 requirements
- Max Hold & low battery indication
- 1 x 9V battery included

A high performance digital sound level meter in a compact unit.
- Large, easy-to-read LCD display
- Dual range measurement (hi/lo)
- "A + C" frequency weighting
- AC/DC output signal for use w/ dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Meets IEC 651 Type 2 requirements
- Data Hold, Max Hold & low battery indication
- Carrying case & 9V battery included
### Model ST-8850

A high performance digital sound level meter.
- Large, easy-to-read LCD display
- Dual range measurement (fs/la)
- “A + C” frequency weighting
- AC/DC output signal for use w/ dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Meets IEC 651 Type 2 requirements
- Data Hold, Max Hold & low battery indication
- Carrying case, windshield ball & 1 x 9V battery included

### Model SL-4012

A general purpose sound level meter that offers a broad measurement range.
- Auto or manual ranging (3 ranges)
- RS232 computer interface
- Large easy-to-read LCD display
- "A + C" frequency weighting
- AC output signal for use w/ Dataloggers
- Electret condenser microphone for high accuracy & long-term stability
- Internal 94dB calibration
- Meets IEC 651 Type 2 requirements
- Data Hold, Max Hold, Min/Max function & low battery indication
- 1 x 9V battery included

### Model C-322

- 32-80, 50-100, 80-130 dB level ranges
- Auto-ranging from 30 to 130 dB
- Dynamic range of 50 dB
- 0.1 dB resolution
- Frequency Range: 31.5 Hz to 8 kHz
- Accuracy of ±1.5 dB (ref 94 dB @ 1 kHz)
- 32,000 record data logger
- 4-digit backlit display
- Clock and bar graph displays
- Auto power off
- AC and DC output
- Max/Min function
- IEC651 Type II
- Includes battery, manual, carrying case, calibration screwdriver, windscreen, RS232 cable, and Windows datalogging software

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>Model ST-8850</th>
<th>Model SL-4012</th>
<th>Model C-322</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range (dB)</td>
<td>30 to 130 (A &amp; C)</td>
<td>30 to 130 (A &amp; C)</td>
<td>32 to 130 (auto-ranging)</td>
</tr>
<tr>
<td>Resolution (dB)</td>
<td>±0.1</td>
<td>±0.1</td>
<td>±0.1</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>31.5 Hz to 8 kHz</td>
<td>31.5 Hz to 8 kHz</td>
<td>31.5 Hz to 8 kHz</td>
</tr>
<tr>
<td>AC/DC Output</td>
<td>Electret condenser</td>
<td>Electret condenser</td>
<td>AC/DC output</td>
</tr>
<tr>
<td>IEC 651 Type</td>
<td>Type 2</td>
<td>Type 2</td>
<td>Type 2</td>
</tr>
<tr>
<td>9V Battery</td>
<td>Include</td>
<td>Include</td>
<td>Include</td>
</tr>
<tr>
<td>Weight</td>
<td>9.9 x 2.5 x 1.6”/251 x 64 x 40 mm</td>
<td>10.55 x 2.7 x 1.1”/268 x 68 x 29 mm</td>
<td>10 oz/285 g</td>
</tr>
<tr>
<td>Battery</td>
<td>$295</td>
<td>$495</td>
<td>$495</td>
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</table>