Model SM-100 Digital Sound Meter
Measures Noise Levels From 30 to 130 dB

Model SM-100 Digital Sound Meter is ideal for measuring noise levels from 30 to 130 dB with accuracy of ±1.5 dB. Model SM-100 has a frequency of 31.5 Hz to 8 kHz, three different dB ranges, and a 1/2” condenser microphone. The SM-100 has two frequency weightings: the “A” weighting ranges from 30 to 130 dB, while the “C” weighting ranges from 35 to 130 dB. The four digit LCD backlight display has the ability to update in 0.5 seconds when the unit is set to fast response. Model SM-100 features data hold, ability to record maximum/minimum, auto ranging, auto power-off, and a dynamic range of 50 dB. The compact size of the SM-100 makes it very easy to operate and store. Each unit includes battery, carrying case, black foam cover to protect the sensor, and instruction manual. The SM-100 is ideal for technicians measuring and recording sound levels in zones or rooms of buildings, musical halls, theaters and near equipment or machinery on the plant floor.

Model SM-100, Handheld Digital Sound Meter

SPECIFICATIONS
Dynamic Range: 50 dB.
Measuring Level Range:
A weighting: 30 to 130 dB;
C weighting: 35 to 130 dB.
Accuracy: ±1.5 dB (at 94 dB @ 1 kHz).
Frequency Range: 31.5 Hz to 8 kHz.
Temperature Limits:
Operating: 41 to 104°F (5 to 40°C);
Storage: 14 to 140°F (-10 to 60°C).
Humidity Limits:
Operating: Below 80% RH;
Storage: Store below 70% RH.
Display: 4 digit LCD with 0.5 second update when set to fast response.
Resolution: 0.1 dB.
Power Requirements: 9 V alkaline battery, included, user replaceable.
Battery Life: 50 hours with alkaline battery (approx.).
Size: 7.8˝ L x 2.1˝ W x 1.5˝ H (200 L x 55 W x 38 H mm).
Weight: 6 oz (170 g).
Agency Approval: CE.

Model SMC-1 Sound Calibrator
Set Standard Noise Levels at Either 94 or 114 dB

Model SMC-1 Sound Calibrator is ideal for setting standard noise levels at 94 dB and 114 dB. The SMC-1 has an output frequency of 1 kHz, ±4%. This unit functions best when environment conditions have a temperature of 68°F (20°C), relative humidity of 65%, and an atmospheric pressure of 29.9” Hg (1013 mbar). The SMC-1 features a measuring accuracy of ±0.6 dB, a low battery indicator, and a 1/2” microphone adapter. This calibrator has a compact design that allows the user to conveniently operate and store the product. At 20 oz (283 g) including the battery, the SMC-1 is also extremely lightweight. Each unit includes carrying case, battery, and instruction manual. This calibrator is ideal for calibrating sound meters such as the Dwyer Series SM-100.

Model SMC-1, Sound Calibrator

SPECIFICATIONS
Selectable Sound Output Level: 94 dB or 114 dB.
Output Frequency: 1 kHz ±4%.
Accuracy: ±0.5 dB.
Temperature Limits:
Operating: 41 to 104°F (0 to 40°C);
Storage: 14 to 140°F (-10 to 60°C).
Humidity Limits:
Operating: Below 80% RH;
Storage: Store below 70% RH.
Elevation Limit: Maximum 6562 ft (2000 m) above sea level.
Display: 4 digit LCD with 0.5 second update when set to fast response.
Resolution: 0.1 dB.
Power Requirements: 9 V alkaline battery, included, user replaceable.
Battery Life: 20 hours with alkaline battery (approx.).
Size: 1.89˝ diameter x 4.92˝ length (48 mm diameter x 125 mm length).
Weight: 10 oz (283 g).