

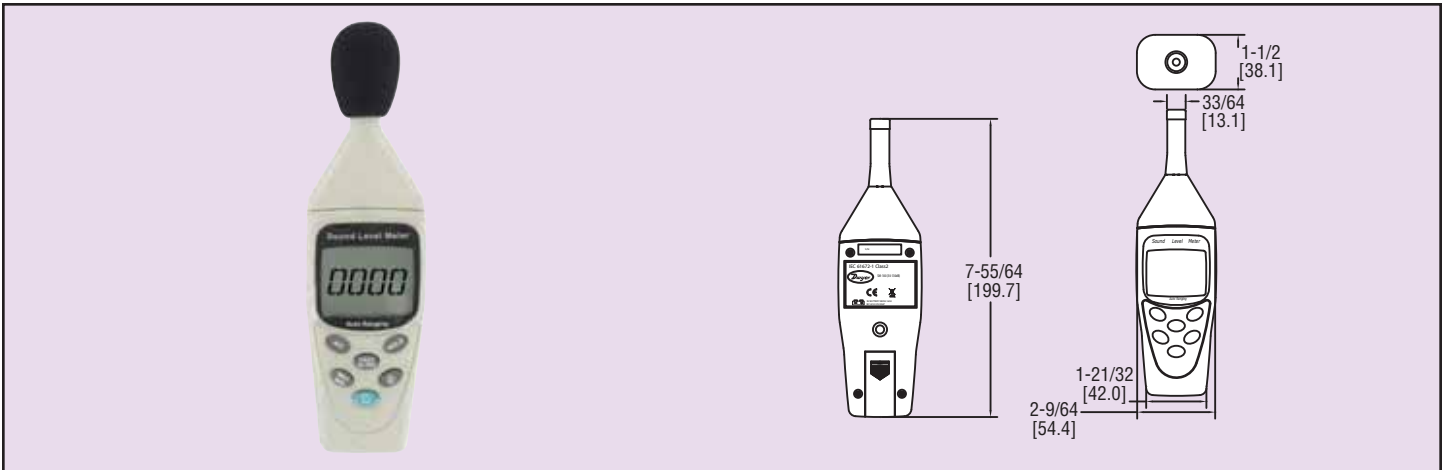


Model  
SM-100

# SM-100 Digital Sound Meter

Measures Noise Levels From 30 to 130 dB

CE



**Model SM-100 Digital Sound Meter** is ideal for measuring noise levels from 30 to 130 dB with accuracy of  $\pm 1.5$  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 backlit 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 9V 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:**  $\pm 1.5$  dB (at 94 dB @ 1 kHz).

**Frequency Range:** 31.5 Hz to 8 kHz.

**Temperature Limits:** 41 to 104°F (5 to 40°C).

**Storage Temperature Limits:** 14 to 140°F (-10 to 60°C).

**Humidity Limits:** Below 80% RH.

**Humidity Storage Limits:** 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 Requirement:** One 9V battery.

**Power Life:** Approximately 50 hours with alkaline battery.

**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.