



The Quest Model 1800 is a precision, type 1 impulse and integrating sound level meter. This instrument is easy to use with a large LCD which provides digital as well as bar-graph display of sound readings. The Model 1800 is housed in a tough, injection molded case with internal shielding. The various functions of the instrument are accessible through convenient slide switches and push buttons. Data collected during the “RUN” mode is produced in a pre-formatted report that can be downloaded to a serial printer. A chart recording DC outlet is also available (0 - 1 VDC).

Features:

- Meets or exceeds ANSI S1.4-1983, type 1 and relevant sections of IEC 651 - 1979, type 1 and IEC 804- 1984
- Slow, fast, impulse and peak response modes of operation; integrating sound level meter, sound pressure level, maximum level, minimum level, sound exposure level (SEL), peak and impulse levels
- Pre-formatted hardcopy report, via serial output

Applications:

- Acoustical surveys
- Industrial hygiene

Quest Model 1800 Specifications:

Model 1800 Precision Integrating Sound Level Meter

Standards	: Meets or exceeds ANSI Sl.4-1983 Type I and relevant sections of IEC651-1979, Type I (1) and IEC804-1984
Accuracy	: Within 0.5 db at 25°C, within 1 db over entire temperature range
Microphone	: Removable precision 0.5" prepolarizer condenser (electret)
Dimensions	: 8.4 cm x 20.9 cm x 4.6 cm : 3.3" x 8.2" x 1.8" (less pre-amp)
Weight	: 680 g (24 oz)
Display	: 3-1/2 digit (LCD) & bar-graph
Battery	: 2 x 9V DC Alkaline
Battery life	: 16 hrs continuous (8 hrs with filter set)
Temperature	: -10°C to 50°C
Humidity	: 0 to 95%
Output	: AC - 3.16V RMS DC - 0 to 1.00V DC, 60 db span : Print - serial to printers and computers : Data - real time @ 16 times /sec using RS-232

Model OB-300 Octave Band Filter Set

Standards	: Meets or exceeds ANSI St .11 -1986. Order 3, Type 2, Sub-type C and IEC R225-1966.
Frequencies	: (1/3 mode) 33 frequencies 12.5 Hz to 20 kHz : (1 / 1 mode) 11 frequencies 16 Hz to 16 kHz
Selection	: Full manual control or automatic sequential
Size	: 8.4 cm x 10.7 cm x 4.6 cm (3.3" x 4.2" x 1.8")
Weight	: 225 g (9 oz)
Power	: From sound level meter

Standard Accessories (included):

- Download cable
- Serial printer cable
- Windscreen
- Spare batteries
- Calibrator