



The **Q-300** will calculate and display a wide range of sound level parameters.

Data is stored and can be downloaded and analyzed using Questsuite software.

**UL Classified - Class I,
Group C and D,
Class II, Group E, F & G,**

Specifications:

Standards: ANSI S1.25 - 1991, ANSI S1.4 - 1983: Type 2
IEC 651 - 1979, IEC 804 - 1985: Type 2
IEC 1252 - 1993

Measuring Range: 40 - 110dB or 70-140dB. Maximum level is for sinusoidal signals. A signal with a 10dB crest factor will be measured accurately if its RMS level is 10dB below the maximum level for the range. Peak detector range is 70-114dB or 100-144dB.

Detector: True RMS, 63dB Pulse Range

Data Output: Requires Interface Modules connected to the microphone connector.

Parallel operation or Selectable Baud:
300 600 1200 2400 4800 9600 19200.

Microphone: 8mm Shoulder-Mount, Type 2. One piece system:
Cable, Connector, and Microphone

Battery: Single 9-volt alkaline provides approximately 48 hours of operation

Integration Time: Signal dependent: With a 3dB Exchange rate and a signal level of 140dB the integration time would be 62 hours. As the signal level decreases and the exchange rate increases, the time increases to 145 hours maximum.

Memory and Clock/Calendar Battery Backup: Lithium cell, 1 to 2 year life not including time that the 9 volt battery is installed. Temperature: -10° to +50°C operating; -20° to +60°C storage (battery removed)

Humidity: 0 to 95% non-condensing

Electromagnetic Negligible below 50 Oersteds at 50 to 60 Hz.

Field Effects: Tested for RF susceptibility with <1dB error at field strengths to 10 V/m over the frequency range of 10 MHz to 500 MHz.

Size: 5.5 x 2.8 x 1.4 inches (140 x 70 x 40 mm)

Weight: 15.5 oz. (440 grams)

Construction: Cast aluminum housing with security cover. Note:
Specifications subject to change.

