

## Digital Sound Level Meter

Big Display, RS-232 interface, and Background Noise Absorber

### Features:

- Auto/Manual ranging from 30 to 130dB in 6 ranges
- Meets ANSI and IEC Type 2 standards
- A and C selectable frequency weightings
- Fast and Slow selectable response times
- Background noise absorber mode for machine noise measurements filters ambient noise
- Large 3 1/2 digit display with 0.1dB resolution with backlighting and analog bargraph
- Electret condenser microphone provides 1.5dB accuracy
- Min/Max plus analog output and tripod mount
- Max Hold latches maximum value on display
- RS-232 interface for capturing data directly on a PC, optional Windows® software
- Complete with batteries and case.

### Applications:

- Machine noise evaluation
- OSHA compliance testing
- Community noise measurement
- Noise ordinance
- PC interface for data collection



### Specifications:

Digital Display:	3-1/2 digit (1999 count) Autorange LCD
Bargraph Display:	50dB display range (1dB resolution)
Measurement Range	30 to 130dB (35 to 130dB for "C" weighting)
Resolution:	0.1dB
Accuracy:	±1.5 dB @ 94dB for a 1kHz sine wave
Microphone:	Electret Condensor .24"(6mm dia.) type
Frequency Weighting:	"A" and "C" type
Time Response:	Slow/Fast
Sampling time:	updates every 0.5seconds
Measurement frequency range:	31.5Hz to 8KHz
Analog output:	AC: 0.707Vrms (full scale); DC: 10mVDC/dB
Applicable Standards:	IEC 651 Type 2, ANSI S1.4 Type 2
Power Supply:	9V battery , optional AC adaptor
Dimensions:	10 x 3.1 x 1.5"(256x80x38mm)
Weight:	8.5oz. (240g)

### Ordering Information:

- 407750 .....Digital Sound Level Meter  
 407750-NIST ..Digital Sound Level Meter with NIST certificate  
 407752 .....RS-232 software and Cable  
 407744 .....94dB Calibrator  
 156117 .....117V AC Adaptor