Digital Sound Level Meter

Big backlit display and PC interface
With background sound absorber for machine noise measurements

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® compatible software
- Complete with batteries and carrying 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 Condenser .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”(256 x 80 x 38mm)
- Weight: 8.5oz. (240g)

Ordering Information:
- 407750 ............... Digital Sound Level Meter
- 407750-NIST ........... 407750 with NIST Certificate
- 407752 ............... Windows compatible Software and Cable
- 407744 ............... 94dB Sound Calibrator