


# Integrating Sound Level Meter

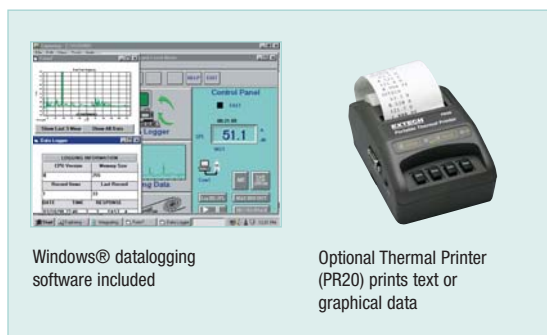
 **Leq and SEL measurements with built-in datalogger and PC interface**  
With built-in datalogger and PC interface

## Features:

- 4 Digit multifunction LCD with analog bargraph
- Precise linearity over wide range (100dB)
- Display modes: SPL, SEL, MAX-L/MIN-L, and Leq
- Programmable integrating time
- A and C Frequency weighting
- Impulse/Fast/Slow response settings
- Datalogging function records up to 32,000 records
- Real time calendar/clock
- Built-in RS-232 interface with included Windows<sup>®</sup> datalogging software
- Tripod mount
- Meets IEC 651/804 Type 2 and ANSI S1.4 Type 2 specifications
- Complete with wind shield, adjustment screwdriver, RS-232 cable, 9 to 25 pin gender changer, Windows<sup>™</sup> software, battery, and case

## Applications:

- Perform Leq and SEL measurements
- OSHA compliance Testing
- Noise Ordinance
- Machine Noise Evaluation
- Data Storage for pertinent records



Windows<sup>®</sup> datalogging software included

Optional Thermal Printer (PR20) prints text or graphical data

## Ordering Information:

- 407780 .....Integrating Sound Level Datalogger
- 407780-NIST .....407780 with NIST certificate
- 407766 .....94/114 dB Calibrator for 0.5" or 1" microphones
- 40705X .....Insulated recorder cable 3' for AC/DC Outputs
- 144118 .....110V AC Adaptor
- 144220 .....220V AC Adaptor
- 144240 .....240V AC Adaptor
- 407764-EXT .....6' (183cm) Microphone Extension Cable
- PR20 .....Portable Thermal Printer

| Specifications              |   |
|-----------------------------|---|
| Applicable Standards        | IEC 651 And 804 Type 2, ANSI S1.4 Type 2    |
| Accuracy                    | ±1.5dB (ref 94dB@1KHz)                      |
| Resolution                  | 0.1dB                                       |
| Digital Display             | 4 digital LCD                               |
| Measurement Parameters      | SPL, Leq, SEL, MaxL, MinL                   |
| Measurement Range           | 30dB to 130dB                               |
| Linearity Range             | 100dB                                       |
| Measurement Frequency Range | 31.5Hz to 8KHz                              |
| Frequency Weighting         | A and C                                     |
| Response                    | Impulse, Fast and Slow                      |
| Microphone                  | 1/2 " Electret condenser microphone         |
| Sampling time               | updated every 0.5s                          |
| Bargraph                    | 4dB steps, 100dB range, 100ms update        |
| Display Warning Function    |   |
| Overrange Indicator         | Displayed at the upper limit                |
| Underrange Indicator        | Displayed at the lower limit                |
| Analog AC/DC Output         | 2Vrms (at full scale), 10mVDC/dB            |
| Power Supply                | Four 1.5V AA batteries, Optional AC adapter |
| Battery Life                | Approximately 20 hours                      |
| Dimensions                  | 10.4x2.8x0.8" (265x72x21mm)                 |
| Weight                      | 10.9oz (310g)                               |

