



Model 831 Sound Level Meter

for Environmental Noise

Highlights

- Exceedance Based Logging
- Audio and Voice Recording with Replay
- Multiple Communication Options, Including GPRS
- 2 GB Data Storage Including Audio Files
- Small, Lightweight, Ergonomic Design
- Real Time 1/1 and 1/3 Octave
...and a whole lot more



Model 831



Model 831 is the newest Sound Level Meter from Larson Davis – with capabilities not found in other meters: USB powered, ANY LEVEL™ data representation, huge data storage, and remote access technologies that fit your “real life” needs and expectations. The rugged, ergonomic design is ideal for one-handed operation, right or left.

The 831 can be used with a complete range of microphones and preamplifiers including weather-resistant units for unattended and semi-permanent monitoring applications.

As with all Larson Davis equipment, this product is complemented with toll free applications assistance, 24-hour customer service, and is backed by a no-risk policy that guarantees satisfaction or your money refunded.



Model 831 Sound Level Meter



- Precision integrating sound level meter, ANSI S1.4 type 1, IEC 61672 class 1
- Single measurement range from 20 to 140 dB SPL
- 120 MB standard data memory, expands up to 2GB
- 160 x 240 graphic LCD display with backlight and icon driven user interface
- Elastomeric illuminated keypad with "Quiet Touch" tactile action
- Detectors: linear, slow, fast, impulse, peak
- Frequency weighting: A, C, Z
- Peak frequency weighting: A, C, Z
- Ln statistics (L0.01 through L99.99 available) and Histogram tables
- Measurement or Interval History stores statistics with every run or by time interval
- Exceedance History with programmable length and triggers
- Jack for AC/DC output or Headset microphone and speaker
- Voice annotation recording with playback, from headset or measurement microphone
- Digital audio recording of events and interval start
- Detachable preamplifier with up to 30m (100 feet) microphone extension cable (full scale to 20 kHz)
- 4 – AA batteries provides up to 12 hours of battery life
- Dust tight (IP53), durable plastic case with tripod mount and lanyard
- USB 2.0 peripheral full-speed port
- AUX control connector for USB Mass Storage, Cellular & Dialup Modems and future devices
- AC and DC signal output connector, 2.5 mm phone jack
- Utility software included for setup, control and high speed data download, application software available
- Field-upgradeable firmware

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LD-831-1011

Printed in U.S.A.

For environmental noise monitoring and building acoustics, **Larson Davis** offers a full line of instruments, accessories and software. For personal noise and vibration exposure monitoring, Larson Davis complements this with sound level meters, personal noise dosimeters, human vibration meters, audiometric calibration systems and hearing conservation programs.

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