

# Sound Level Meter for Environmental Noise

- 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 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.



Larson Davis

A PCB Group Co.

Acoustic Test Products Group



## MODEL 831

- ✓ 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
- ✓  $L_n$  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



### **Total Customer Satisfaction Guaranteed**

#### **Larson Davis, Inc.**

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**Larson Davis** provides a complete line of acoustic and vibration measurement tools including dosimeters, sound level meters, real time analyzers, pre-amplifiers, calibrators, and microphones.