

SLM420BT - Sound Level Meter/Datalogger w/Bluetooth®

High Precision Conforms to IEC 61672-1 Class 2

The SLM420BT can be used to test and verify sound levels for Industrial/Occupational Safety (OSHA), Environmental Noise Monitoring, Engineering/Product Testing, Transportation & Urban Planning, and Research/Technical Measurements. It conforms to IEC 61672-1 Class 2 with ± 1.4 dB accuracy. It datalogs up to 32,690 readings with programmable sampling rate and date/time stamp. Data can be viewed on a mobile device using the iOS®/Android® app or download onto a PC via the USB interface.

Key Features:

- Conforms to IEC 61672-1 Class 2 with ± 1.4 dB high accuracy
- Measures from 30 to 130dB over 3 ranges with auto/manual ranging
- A and C weighting
- Large backlit LCD with analog bargraph
- Selectable Fast/Slow response time
- Programmable sampling rate and date/time stamp
- Datalog up to 32,690 readings
- Analog AC/DC outputs for connection to frequency analyzers or X-Y recorders
- Min/Max and Data Hold
- Bluetooth connectivity provides real-time data transmission to mobile device using MeterRead app
- 1/4"-20 standard tripod mount (tripod not included)
- Includes windscreen, USB cable, software, 1 $\times$ 9V battery, and a hard canvas carrying case

Applications:

- Workplace noise surveys
- Machinery noise assessment
- Community noise measurement
- Environmental surveys
- Machine and product testing
- Vehicle noise measurement

Users:

- Workplace health & safety inspectors
- Public health inspectors
- Environmental noise consultants
- Construction site managers (noise compliance)
- Vehicle technicians (Noise, Vibration, Harshness)
- Transportation noise analysts



Compatible with the Triplett MeterRead mobile app for live Bluetooth graphing, datalogging & export.

Specifications

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Sound Level Measurement Ranges	Auto: 30 to 130dB; Low: 30 to 80dB; Medium: 50 to 100dB; High: 80 to 130dB
Bandwidth	31.5 to 8kHz
Resolution	0.1dB
Accuracy	± 1.4 dB
Standards	Conforms to IEC 61672-1 Class 2
Frequency Weighting	A and C (selectable)
Response Time	Fast: 125ms / Slow: 1s
Analog Output	AC=1Vrms, DC=10mV/dB
Interface	USB; Bluetooth
Memory	Datalogs up to 32,690 data points



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Specifications (continued)

Specifications	
Power	1 × 9V battery
Dimensions	11 × 2.4 × 1.8" (280 × 60 × 45mm)
Weight	16.2oz (459g)

Ordering Information

SLM420BT Sound Level Meter/Datalogger with Bluetooth
SLM420BT-NIST Sound Level Meter/Datalogger with Bluetooth with Certificate Traceable to NIST

For more information about
SLM420BT, please scan or click:



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