



SLM 100



NEED OF MONITORING

Excessive Noise is known to be harmful and as such Noise was explicitly included as a Pollutant to be controlled under the Environment Protection Act in February 2000. The Central Pollution Control Board (CPCB) has notified an ambient noise standard in June 2001. SLM100 Noise Level Meter has been developed to fully meet the requirements of field measurements for compliance testing.

APPLICATION

The SLM 100 has been designed for ease in field operation. All the features considered essential for field surveys have been included.

OPERATION

The SLM 100 is a "Type 2" integrating sound level meter designed to meet the requirements of IS 15575 (Part 1) 2005. The instrument has a frequency weighting of "A" type and allows user to select Slow or Fast mode of measurement.

DATA LOGGING FACILITY

The SLM 100 has built in Data Logger designed to record all the important Sound Level parameters in Non- Volatile Flash Memory. The instrument has sufficient memory to record data at 1 minute intervals for 24 hours making detailed field data collection very simple. Each record consists of the LEQ, MIN and MAX Sound Pressure Level and Sound Exposure Level (SEL) observed during the recording interval. A built-in Real Time Clock maintains a Date and Time stamp in the recorded data. A software package provided with the SLM100 Sound Level Meter allows the data to be downloaded to a PC, via RS232 Port, for analysis and report preparation. A 16 Character by 2 line digital display allows the instrument to give suitable prompts at each stage, simplifying operation.

FEATURES

- Simple to operate instrument gives reading for Sound Pressure Level (SPL), LEQ and SEL on a digital display
- Frequency weighting "A" type and Time Weighting for SLOW and FAST mode provided as per requirements of IS 15575 (Part 1) 2005.
- Data recording facility with multiple file storage.
- Sufficient memory to record 24 hours data at 1 minute interval
- Data transfer to PC for detailed analysis and report preparation



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SPECIFICATIONS

Measurement Range	34 to 134 DBA in three 50DB overlapping ranges.
Error Indication	Over Range, Under Range and Low Battery.
Accuracy / Class	Type II designed for field use.
Display	LCD 16 Character, 2 Line Display with 0.1 DB resolution.
Frequency Weighting	"A" type as per IS 15575 (Part1) 2005.*
Time Weighting	SLOW and FAST as per IS 15575 (Part1) 2005
Measurements	Sound Pressure Level (SPL), MIN SPL, MAX SPL, LEQ, Sound Exposure Level (SEL) and run time continuously available on the display by selecting appropriate display screen.
Operation Modes	Continuous and Recording. In Continuous Mode the SLM100 displays the current SPL level and LEQ, SEL etc. for the duration of current session of operation. In Recording Mode, current values of above parameters are displayed on the screen and LEQ, MIN SPL, MAX SPL, and SEL values integrated over a minute are recorded in the built-in data logger. The SLM100 allows the user to record multiple files making it possible to make a detailed survey at several locations before downloading data to a PC for Analysis.
Memory Capacity	The data logger provided in the SLM100 can store more than 24 hours data (at 1 minute intervals) in non-volatile Flash Memory.
Data Download	The SLM100 Sound Level Meter has a built-in RS232 Serial Port for direct interface to a PC.
Software	The instrument is supplied with a Windows compatible Software that allows data download to a PC and makes the data available in an Excel Spreadsheet for analysis and report preparation.
Battery	The SLM100 Sound Level Meter is provided with a re-chargeable NiMH battery pack. The instrument will operate for 10 hours or more with fully charged battery. A built-in battery status facility allows the user to check usable battery hours and automatically prompts the user when the battery is running low. To prevent battery damage the instrument will automatically shut-down when the battery voltage drops to a pre-set level

1
Year
Warranty

*Specifications are subject to change without any prior notification



For More Information Contact

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