Cygnet **2521**

DATALOGGING SOUND LEVEL METER

The Cygnet Data logging Sound Level Meter 2521 is an Integrating Sound Level Meter with ability to save logged data on your pen drive, thus giving virtually limitless storage capacity. It logs SPL data computes a running logarithmic average (Leq), the time stamps the data and saves it into a file on the attached USB pen drive, which can easily be read in your computer with any spreadsheet or text program like Excel. Specifically the meter may be employed for the following applications:

- Environmental Sound pressure Level monitoring over user-defined time intervals.
- Scientific assessment of Noise abatement measures.
- Conformance to Environmental Protection Laws on Noise Pollution.
- Quality assessment of equipment from noise measurement perspective, with data storage.
- Optional Miniature Thermal printer can be attached to directly print out noise reports on the spot.
- Unattended pre-programmed operation, or remotely controlled through Serial Port.

Features of 2521:

- **Hand held meter for measurement of sound pressure level Leq levels over user defined time periods.**
- **Data logging with time-stamp on user attached USB-pen drive.**
- **Automatic file naming encoding time and date in file name.**
- **Files on pendrive are directly readable in Ms Excel, or similar software.**
- **Pre-programmed auto-operation possible upto 8 sessions per day, each with different Range settings.**
- **High quality electret Omni-directional microphone ,which can be extended with cable.**
- **30-134 dBA measurement, Type-1accuracy as per IS:15575:2005 .**
- **Can be controlled remotely through serial port..**
- **Printer 3064(optional) can print reports on the spot (requires ac or car battery power).**
- **Rechargeable Li-ion batteries.**
- **LCD Alphanumeric display**
- **Sealed and oil-proof membrane touch-switches.**
- **Extremely compact and reliable, with technology proven in tough Indian conditions.**

2521 comes from Baseline Technologies, manufacturer of the renowned CYGNET brand of Sound Level Meters in India. Calibration is traceable to National Physical Laboratories, India .It is an ISO9001 establishment.

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SPECIFICATIONS: DATALOGGING SOUND LEVEL METER 2521:

Standards	Designed as per IS :15575:2005, Type 1
Measuring Range	30-134 dB
Microphone	¼" Electet Condenser
Calibration	Factory Calibrated, Field calibrated by acoustic calibrator 3022. Software calibration. Calibration traceable to NPL
Detector	True RMS
Clock	Real Time with Calendar
Resolution	0.1 dB
Display	LCD, 16*2 alpha numeric with back light
Error Indicators	Overload and Under Range indicators
Frequency weighting	A weighting, C weighting, Linear as per IS:15575:2005
Time weighting	Slow ,Fast, Impulse as per IS:15575:2005
Function	Measures dB and computes Leq over user specified time period, and stores in the users pendrive
Sampling Time	10 milliseconds. Running Leq is computed
Storage interval of Leq	1 minute ,1 second or 1 hour , user selectable
Storage capacity	Practically unlimited, as files are stored in external user mounted USB pen drive
File Formats	Comma separated time stamped values of Leq, and ODB files for reading through DL03.CSV format can be read directly into ,Word ,Excel etc. With post processing in excel ,other related quantities like noise dose, TWA etc can be computed.
Programmed Operation	AUTO mode: up to 8sessions/day can be user-programmed to start and stop monitoring at pre-determined time in pre determined ranges. With REPEAT on, it will repeat the program daily till cancelled.
Battery	2100mAH Li Ion rechargeable battery with charger. Charger doubles as AC supply.
Battery Indicator	Battery life meter with auto shut-off on low battery
Remote Operation	Through Serial interface RS 232 using terminal software
Printer Interface	Suitable for connecting to Portable Serial Thermal Printer 3064 for printing CSV files (Optional Item)
Construction	Rugged die cast, reflection free, aluminium enclosure
Temperature	0 to 50 degree Celsius
Humidity	0 to 90% non-condensing. Fluid contact may damage the mic.
Dimensions	L210 W90 h25 mm
Weight	650gms
Standard accessories	Battery charger, Microphone, Briefcase type carrying case , Windshield, softcopy of Operation manual, 4GB
Optional Accessories	Accoustic calibrator 3022,tripod stand , Mic Extension cable, Thermal Printer 3064.

Note1: The above stated item is designed and manufactured exclusively by Baseline Technologies, New Delhi, India. Baseline Technologies reserves the right to amend the above specifications at any time in the interest of improvement of the product or its process. The above specifications do not constitute a contract unless accompanied with a formal offer from Baseline Technologies.

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