Specification
SPL82 Data Logger Sound Level Meter



Measuring level range: 30 – 130dB
Resolution: 0.1dB
Frequency range: 20Hz – 8kHz
Frequency weighting: A or C
Level ranges: Lo: 30 – 90dB
Med: 50 – 110dB
Hi: 70 – 130dB
Accuracy: ±1.4dB (under reference conditions @ 94dB, 1KHz)
Dynamic range: 60dB
Time weighting: fast or slow
Microphone: ½ inch electret condenser microphone
AC output: 1Vrms at full scale (full scale is the upper limit of the selected level range)
DC output: 10mV/dB

GENERAL

Digital display: 4 digit liquid crystal display
Sampling rate: twice per second

Analogue display: 30 segment bar graph
Analogue resolution: 2dB
Analogue measurement rate: 20 times per second
Alarm function:
OVER is when output is more than the upper limit of the range (over 130dB).
UNDER is when output is less than the lower limit of the range (under 30dB).

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Data logging capacity: 64,000 records
Power: 4 x 1.5V AAA alkaline batteries (IEC LR03, NEDA 24A)
Battery life: 24 hours (approximate)
Auto power off: 30 mins (can be disabled)
Power consumption: 0.2W approx
External power supply: 5V DC (micro USB plug)
Dimensions: 264 (L) x 63 (W) x 29mm (H)
Weight: 245g including battery
Includes: storage case, 4 x 1.5V AAA alkaline batteries, software, micro USB cable, 3.5mm plug, USB stick and instruction manual.

ENVIRONMENTAL

Operating conditions: Temperature: 0°C to 40°C (32 to 104°F)
Relative humidity: 10 to 90% R.H.
Storage conditions: Temperature: -10°C to 60°C (14 to 140°F)
Relative humidity: 10 to 75% R.H.

FUNCTIONALITY

Complies with BS EN 61672-1 Class 2

EMC

Conforms to BS EN 61326-1

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- Digital Multimeters
- Labels
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- Motor Maintenance Equipment
- Multifunction Testers
- Non-trip Loop Testers
- Pat Testers & Accessories
- Phase Rotation Testers
- Proving Units
- Socket Testers
- Thermometers & Probes
- Test Leads
- Voltage Indicators
- Specialist Metrohm Testers (4 & 5kV)
- Specialist Drummond Testers

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