

INTERNATIONALLY TRACEABLE CALIBRATION THROUGH NATA

AutoTest

NOISE MEASUREMENT MADE EASY



AutoTest Digital Sound Level Meter is used to measure and monitor noise levels to ensure that volume levels are within tolerances or an expected rage in any industrial or domestic application.

Features

- The unit complies with IEC651 TYPE 2 & Ansi S1.4 TYPE 2 for sound level meters
- 2. Measurement range: 30 130 decibel
- 3. With two equivalent weighted sound pressure levels, A and C
- 4. Fast and slow modes
- 5. AC output for frequency and analyser level recorder, FFT analyser, graphic recorder etc

Operation Directions

- 1. Turn on power.
- 2. Select desired response and weighting, also select desired range.
- 3. For general Audible noise, please select dBA.
- 4. If the sound source consists of short bursts, set response to FAST. To measure average sound level, use the SLOW setting.
- 5. When MAX mode is chosen, the instrument will capture and hold the Peak noise level.













Auto*Test* Digital Sound Level Meter NOISE MEASUREMENT MADE EASY

Technical Specifications

Frequency Range31.5Hz to 16kHzMeasuring Level30 -130dBCFrequency WeightingA, CDigital Display5 digitsResolution0.1dBBar Graph50dB scale at 1dB step for monitoring current sound pressure levelDisplay Period50mSLevel Ranges30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicatorAC Output1.707 Vrms at FS output inpedance approx 600ΩDC Output100mV/ dB output impedance approx 1000ΩTime WeightingFast/ SlowMicrophone½inch Electret Condenser MicrophoneMaxPeak HoldPower Supply1*9V alkaline cells or DC 9V adapterPower LifeAbout 30hrs (alkaline cells)Operating Temperature0°C - 40°C 10% to 80% RHStorage Temperature-10°C to 60°C	Accuracy	±1.5dB
Frequency Weighting A, C Digital Display 5 digits Resolution 0.1dB Bar Graph 50dB scale at 1dB step for monitoring current sound pressure level Display Period 50mS Level Ranges 30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicator AC Output 1.707 Vrms at FS output inpedance approx 600Ω DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Frequency Range	31.5Hz to 16kHz
Digital Display 5 digits Resolution 0.1dB Bar Graph 50dB scale at 1dB step for monitoring current sound pressure level Display Period 50mS Level Ranges 30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicator AC Output 1.707 Vrms at FS output inpedance approx 600Ω DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Measuring Level	30 -130dBC
Resolution 0.1dB Bar Graph 50dB scale at 1dB step for monitoring current sound pressure level Display Period 50mS Level Ranges 30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicator AC Output 1.707 Vrms at FS output inpedance approx 600Ω DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Frequency Weighting	A, C
Bar Graph50dB scale at 1dB step for monitoring current sound pressure levelDisplay Period50mSLevel Ranges30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicatorAC Output1.707 Vrms at FS output inpedance approx 600ΩDC Output100mV/ dB output impedance approx 1000ΩTime WeightingFast/ SlowMicrophone½inch Electret Condenser MicrophoneMaxPeak HoldPower Supply1*9V alkaline cells or DC 9V adapterPower LifeAbout 30hrs (alkaline cells)Operating Temperature0°C - 40°C 10% to 80% RH	Digital Display	5 digits
Display Period 50mS Level Ranges 30 - 80dB; 50 - 100dB 60 - 110dB; 80 - 130dB Overrange indicator; underrange indicator AC Output 1.707 Vrms at FS output inpedance approx 600Ω DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Resolution	0.1dB
Level Ranges $30 - 80 dB; 50 - 100 dB$ $60 - 110 dB; 80 - 130 dB$ Overrange indicator; underrange indicator AC Output $1.707 \text{ Vrms at FS output inpedance approx } 600 \Omega$ DC Output $100 \text{mV/ dB output impedance approx } 1000 \Omega$ Time Weighting Fast/ Slow Microphone $\frac{1}{2}$ inch Electret Condenser Microphone Max Peak Hold Power Supply $1*9\text{V alkaline cells or DC 9V adapter}$ Power Life About $30 \text{hrs (alkaline cells)}$ Operating Temperature $0^{\circ\text{C}} - 40^{\circ\text{C}}$ 10% to 80% RH	Bar Graph	50dB scale at 1dB step for monitoring current sound pressure level
60 - 110dB; 80 - 130dB Overrange indicator; underrange indicator AC Output 1.707 Vrms at FS output inpedance approx 600Ω DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Display Period	50mS
Overrange indicator; underrange indicator AC Output $1.707 \text{ Vrms at FS output inpedance approx } 600\Omega$ DC Output $100\text{mV/ dB output impedance approx } 1000\Omega$ Time Weighting Fast/ Slow Microphone $12\text{inch Electret Condenser Microphone}$ Max Peak Hold Power Supply $1*9\text{V alkaline cells or DC 9V adapter}$ Power Life About 30hrs (alkaline cells) Operating Temperature $0^{\circ\text{C}} - 40^{\circ\text{C}}$ $10\% \text{ to } 80\% \text{ RH}$	Level Ranges	30 - 80dB; 50 - 100dB
AC Output1.707 Vrms at FS output inpedance approx 600ΩDC Output100mV/ dB output impedance approx 1000ΩTime WeightingFast/ SlowMicrophone½inch Electret Condenser MicrophoneMaxPeak HoldPower Supply1*9V alkaline cells or DC 9V adapterPower LifeAbout 30hrs (alkaline cells)Operating Temperature0°C - 40°C 10% to 80% RH		60 - 110dB; 80 - 130dB
DC Output 100mV/ dB output impedance approx 1000Ω Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH		Overrange indicator; underrange indicator
Time Weighting Fast/ Slow Microphone ½inch Electret Condenser Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	AC Output	1.707 Vrms at FS output inpedance approx 600Ω
Microphone Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	DC Output	100mV/ dB output impedance approx 1000Ω
Max Peak Hold Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Time Weighting	Fast/ Slow
Power Supply 1*9V alkaline cells or DC 9V adapter Power Life About 30hrs (alkaline cells) Operating Temperature 0°C - 40°C 10% to 80% RH	Microphone	½inch Electret Condenser Microphone
Power Life About 30hrs (alkaline cells) Operating Temperature $0^{\circ c}$ - $40^{\circ c}$ 10% to 80% RH	Max	Peak Hold
Operating Temperature $0^{\circ c}$ - $40^{\circ c}$ 10% to 80% RH	Power Supply	1*9V alkaline cells or DC 9V adapter
10% to 80% RH	Power Life	About 30hrs (alkaline cells)
	Operating Temperature	0°C - 40°C
Storage Temperature -10°C to 60°C		
		10% to 80% RH

Note: Outer appearance and specifications are subject to change without prior notice.

Auto*Test* Products Pty Ltd 69 Parsons Street, Kensington, VIC 3031 Australia tel +613 8840 3000 sales@autotest.net.au

DISTRIBUTOR