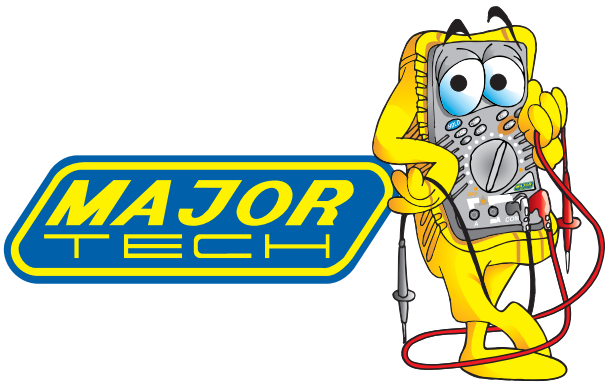
Sound Level Meter



Technical Data

MT976

The MT976 Sound Level Meter economy model has a digital display and offers A and C weighting measurements, maximum hold function and Slow and Fast response. The AC/DC outputs are ideal for connections to frequency analyser, level recorder, FFT analyser and graphic recorder or X-Y chart recorder. The MT976 meter is ideal for all general purpose measurements and the Level Function is designed for noise project, quality control, illness prevention and cure, plus all kinds of environmental sound measurements. IT can be used to measure noise in factories, schools, airports and home, etc. Other uses could be for checking acoustics of studios, auditoriums and Hi-Lo installations. The MT976 is a mini auto ranging sound level meter with a wide dynamic range from 35dB to 130dB.

Features Include:

- A and C Level Weighting for checking in Compliance with Safety Regulations IEC61672-1 class 2
- Level weighting 35dB to 130dB
- Analogue AC/DC output
- Max record mode
- 0.1dB Resolution and 1.5dB accuracy
- Data Hold
- Fast and Slow response
- 94dB built-in calibration check

General Specifications

Display	:	Large 1999 count LCD display with function of dB, A & dB, C &dB, Lo & dB, Hi & dB, MAX HOLD, DATA HOLD indication.
Polarity	:	Automatic (-) negative polarity
Over-range	:	"OL" mark indication
Low Battery Indication	:	The "BAT" is displayed when the battery voltage drops below the
	:	operating level.
Measurement Rate	:	1.5 times per second, nominal
Storage Temperature	:	-10°C to 60°C (14°F to 140°F) at <80% relative humidity
Power	:	One standard 9V, NEDA1604 or 6F22 battery.
Dimensions	:	251(H) X 63.8(W) X 40(D) mm
Weight	:	250g
Sound Level		
Measurement Range	:	A LO (low) – Weighting: 35 - 100 dB A HI (low) – Weighting: 65 - 100 dB C LO (low) – Weighting: 35 - 100 dB C HI (low) – Weighting: 65 - 100 dB
Typical Instrument		
Frequency Range	:	30Hz -10KHz
Frequency Weighting	:	A, C – weighting
Time Weighting	:	Fast
Accuracy	:	± 3.5dB at 94 dB sound level, 1KHZ sine wave.
Microphone	:	Electric condenser microphone.

Ordering Information

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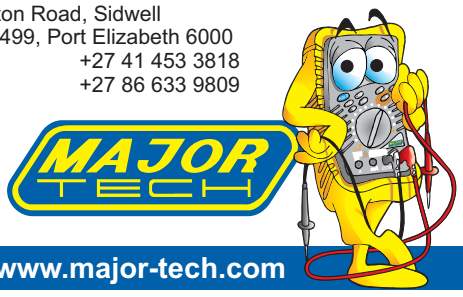
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