

MASTECH®
MS6701
Digital Sound
Level Meter
with USB
Interface



MASTECH MS6701 Digital Sound Level Meter with USB Interface Owner's Manual

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MASTECH MS6701 Digital Sound Level Meter with USB Interface



Feature

- Display 2000 counts.
- Auto & Manual Ranging.
- Auto power off.
- Dynamic 50dB.
- Frequency 30Hz~8kHz.
- Sample Rate 2 times/second.
- Fast 125ms / Slow 1sec.
- A / C Weighting.
- Display Backlight.
- Low Battery Display.
- Analog Bar Indication.
- Over Range Indication.
- Max.
- Date and Time Display.
- AC / DC Signal Output.
- AC adapter.
- RS-232 PC link.
- USB interface.
- Data logging 16000 groups.

Overview

MASTECH MS6701 Digital Sound Level Meter: Accurate Environmental Noise Measurement Tool

The MASTECH MS6701 is a versatile digital sound level meter designed for accurately measuring environmental noise levels. This device is ideal for use in various settings, such as workplaces, public spaces, and residential areas, where monitoring sound levels is crucial for maintaining a safe and comfortable environment.

Key Features:

- **Sound Measurement:** Capable of measuring sound pressure levels across multiple ranges.
- **Auto and Manual Ranging:** Supports both automatic and manual ranging for flexible measurement settings.
- **Max Display:** 2000 counts for readings.
- **A/C Weighting:** Adjusts sound measurements to reflect human hearing sensitivity, emphasizing or de-emphasizing frequencies.
- **Data Logging:** Stores up to 16000 groups of measurements.
- **Max:** Maximum values can be held on the screen.
- **Backlight:** Features a backlit display for clear readability in dimly lit environments.
- **Analog Bar:** Provides a visual representation of sound levels in real time, similar to an analog needle.
- **AC/DC Signal Output:** Offers signal output for further analysis and integration with other equipment.
- **RS-232 PC Link and USB Interface:** For easy data transfer.
- **Additional Features:** Includes over range indication, date and time display, auto power off, and low battery display.

Specifications:

- **Sound Pressure Levels:** 30dB to 130dB
- **Frequency Range:** 31.5Hz to 8kHz
- **Sampling Rate:** 2 times per second
- **Frequency Weighting:** A/C
- **Time Weighting:** Fast 125ms / Slow 1sec

Benefits:

- **Versatility:** Suitable for various applications, including environmental noise monitoring in workplaces, public spaces, and residential areas.
- **Ease of Use:** User-friendly interface with clear display and multiple functions for comprehensive sound analysis.
- **Portability:** Compact and lightweight design, easy to carry and operate in different locations.
- **Safety and Compliance:** Meets CE, ETL, and RoHS standards, ensuring safe and reliable operation.

Why Choose MASTECH MS6701?

The MASTECH MS6701 digital sound level meter offers reliable and accurate noise measurement for a wide range of applications. With its easy-to-read display, user-friendly interface, and multiple functions, this device is ideal for professionals and hobbyists alike. Its compliance with safety standards and portable design make it a dependable choice for both indoor and outdoor use.

Information

Description	Value
Display counts	2000
Range	30dB~130dB
Sampling Rate	2 times/second
Auto Ranging	Yes
Auto Power Off	Yes
Backlight	Yes
Working Temp	0~40℃
Data Hold	Yes
Data Logging	16000 groups
Overrange Indication	Yes
Frequency	30Hz~8kHz
Frequency Weighting	A, C
Low Battery Indicator	Yes
Interface	USB

Specification

Specifications	Range	Resolution	Accuracy
Sound Pressure	30dB~80dB	0.1dB	±1.5dB
	40dB~90dB	0.1dB	±1.5dB
	50dB~100dB	0.1dB	±1.5dB
	60dB~110dB	0.1dB	±1.5dB
	70dB~120dB	0.1dB	±1.5dB
	80dB~130dB	0.1dB	±1.5dB

Application

- Environmental Monitoring
- Home and Office

General

Description	Value
Power Supply	6×1.5V AAA Batteries
Product Size	265mm×80mm×69mm 10.4"×3.15"×2.7"
Accessories	Windscreen, Earphone plug, Wapping case, USB interface cable, Software CD, Battery and User's manual
Color Box	160mm×74mm×295mm
Carton Box	385mm×320mm×340mm
Carton included	10

IMPORTANT SAFETY INFORMATION

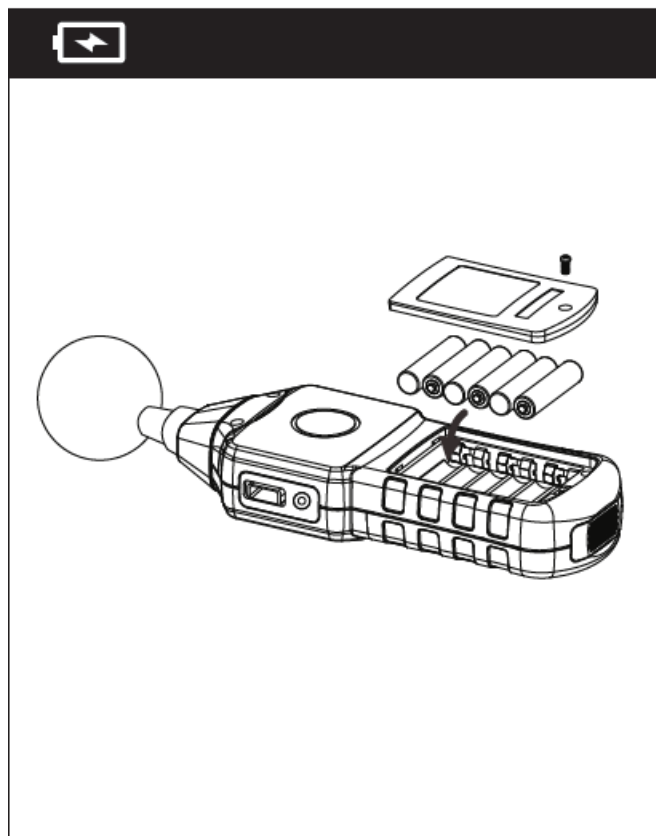
- The special attention should be paid when using the test and measurement instrument because the improper usage may cause electric shock and damage the equipment.
- Use proper measurement category (CAT), voltage, and amperage rated probes, test leads, and adapters for the measurement.
- Do not use or store the device around explosive gas, vapor, or under high temperature and humidity.
- When handling the test probes and crocodile clips, keep your fingers behind the physical guard.
- Examine the measuring test leads (if present) before use. Any element of which the insulation is deteriorated (even partially), replace them with proper functional test leads.
- Connect the common test lead before the live test lead and remove the live test lead before the common test lead.
- Before measuring current, make sure the instrument fuses available and disconnect the power supply to the circuit test
- Remove the batteries if the device is not used for an extended period of time, or if stored in temperatures above 45 °C. If the batteries are not removed, battery leakage can damage the device.

Contents

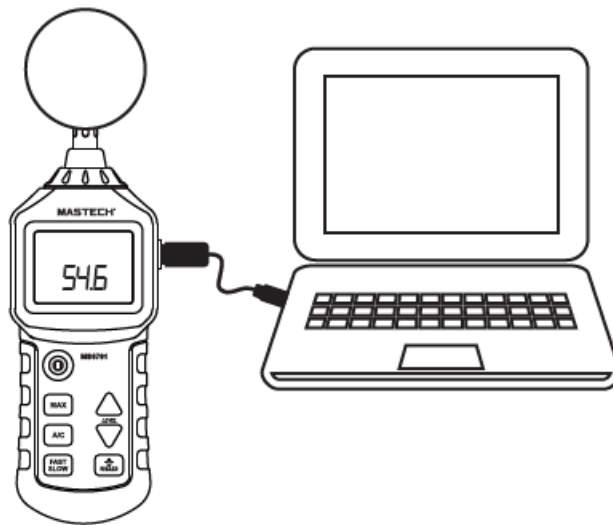


PRODUCT USING INSTRUCTIONS

CHARGING INFORMATION



PC LINK

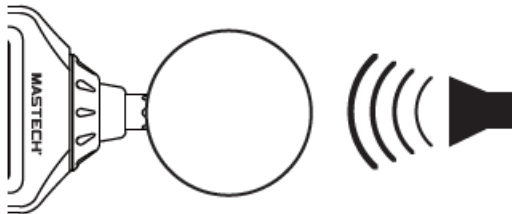


POWER ON

1



2



3



40~90dB



RANGE

1



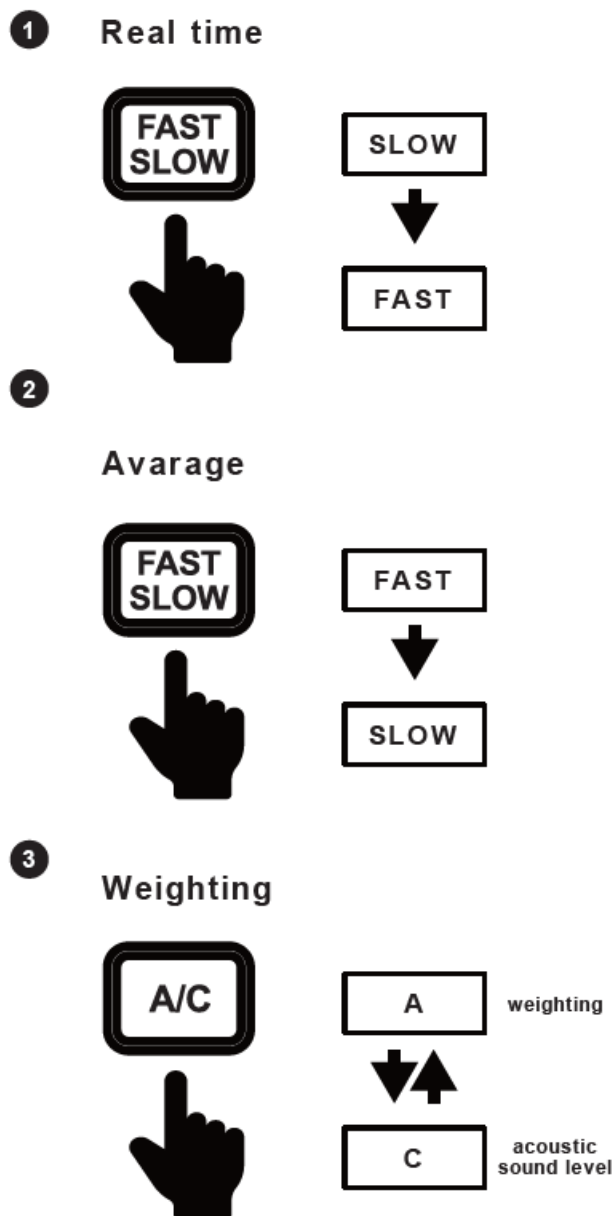
2



3



MODE



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Documents / Resources

	<p>MASTECH MS6701 Digital Sound Level Meter with USB Interface [pdf] Owner's Manual MS6701 Digital Sound Level Meter with USB Interface, MS6701, Digital Sound Level Meter with USB Interface, Sound Level Meter with USB Interface, Level Meter with USB Interface, Meter with USB Interface, USB Interface, Interface, Meter</p>
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References

- [User Manual](#)

Manuals+. Privacy Policy

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