

# **TRIPLETT**

## **SoniChek MC**

**Mini Sound Level Meter  
C Weighted**

*Instruction Manual*



**TRIPLETT**

84-888

4-10

## I. Safety information

Read the following safety information carefully before attempting to operate or service the SoniChek MC. For best performance and continued safe operation, use the SoniChek MC only as specified in this manual.



- **Operating Conditions**

- (1) Relative humidity 90% max.
- (2) Ambient Temperature 32 ~104 °F

- **Maintenance & Cleaning**

- (1) Repairs or servicing should only be performed by qualified personnel.
- (2) Periodically wipe the case with a dry cloth. Do not use abrasives or solvents on this instrument.

- **Safety symbols**

-  The SoniChek MC is protected by double insulation or reinforced insulation.
-  When servicing, use only specified replacement parts. Complies with EMC Directive.

## **II. General Description**

The Triplett SoniChek MC is a compact Sound Level Meter with C Weighting. Its ergonomic handsized design is convenient and practical. Features include a large auto backlit LCD display, MIN and MAX memories, Auto Power Off, tripod mounting thread, and a non-slip rubber grip. The C weighting makes the SoniChek MC ideal for testing sound levels in home theaters, music performances, car audio, and other situations requiring broad frequency response.

To ensure that you can get the most from this product, we recommend that you read and follow this manual carefully.

### **III. Features**

- Modern Compact Ergonomic Design
- 40 to130dB SPL measurement range
- Frequency from 31.5Hz to 8KHz.
- 4 Digit Backlit LCD
- 0.1dB Resolution
- C Weighting
- Fast Response
- Min / Max Hold
- Auto Power Off
- Tripod Thread
- Non-Slip Grip
- Uses common 9V battery

## **IV. Specifications**

Frequency Response : 31.5Hz to 8KHz

Measuring Level Range : 40dB to 130dB SPL

Frequency Weighting : C

Microphone : 1/2 inch electret condenser  
microphone

Display : LCD

: 4 digits

: 0.1dB Resolution

: 0.5 sec display update

Response Time : FAST(125mS)

Accuracy : + 3.5dB @1kHz, 94dB reference

Overrange : "OVER" displayed when input is  
greater than 130dB

Auto Power Off : Meter automatically shuts  
down after approx. 15 minutes  
of inactivity.

Battery : One 9V, 006P or IEC 6F22 or NEDA 1604.

Operation Temperature : 32 to 104 °F

Operation Humidity : 0 to 90% RH

Storage Temperature : 14 to 140 °F

#### **IV. Specifications Cont.**

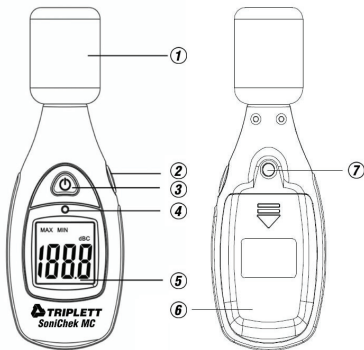
Storage Humidity : 0 to 75% RH

Dimensions (including wind screen)

: 5 3/4" x 2" x 1 1/4"

Weight : 4.6 oz (including battery)

## IV. Control Locations and Descriptions



- 1: Windscreen and Electret Condenser Microphone
- 2: MAX/MIN Button
- 3: Power ON/OFF button
- 4: Ambient Light Sensor  
(turns LCD backlight on and off)
- 5: Digital LCD display
- 6: Battery Cover
- 7: Tripod Thread

## **V. Measurement Preparation**

### **1: Install New Battery**

Remove the battery cover on the back of the SoniChek MC and observing proper polarity, install one 9V Battery.

### **2: Battery Replacement**

When the battery voltage is low, “BAT” appears on the LCD. Replace battery.

## **VI. Operating Precautions**

- 1: Air moving across the microphone causes noise that the SoniChek MC measures. Although the air movement may be silent to the user, it is ‘heard’ by the SoniChek MC. The provided foam windscreen suppresses the noise, but does not eliminate it. Consider this when taking measurements in areas where air movement or wind is a factor.



## **VI. Operating Precautions Cont.**

- 2: Do not operate the instrument in temperatures or humidities exceeding those stated in the Specifications. Doing so may produce inaccurate results or damage the instrument.
- 3: Keep microphone dry and avoid shock and vibration.
- 4: When not in use, remove the battery and store in a protected location with moderate temperatures and humidities (see Specifications).

## VII. Measurement

(Refer to “Control Locations and Descriptions”)

- 1: Turn on power by pressing and releasing the ON/OFF button (3)
- 2: Hold the instrument comfortably in hand or fix on tripod and point the microphone at the sound source. The sound pressure level will be displayed on the LCD (5)
- 3: The SoniChek MC can capture and hold the maximum or minimum sound level. To activate this feature, press and release the MAX/MIN button (2) once to activate MAX, again to activate MIN, or hold the button in to return to normal measurements. The mode is indicated by MAX or MIN appearing in the LCD display.
- 4: Turn power off by pressing and releasing the ON/OFF button.

Note: The SoniCheck MC will automatically turn on the LCD backlight in low light situations.

## **Triplett Product Return Instructions**

In the unlikely event that you must return your Triplett equipment for repair, the following steps must be taken.

- 1: Call 1-800-TRIPLETT to obtain a Return Material Authorization (RMA) number from Customer Service.
- 2: Enclose a copy of the original sales receipt showing date of purchase.
- 3: Clearly print the RMA number on the outside of the shipping container.
- 4: Return to: Triplett / Jewell Instruments  
850 Perimeter Road  
Manchester, NH 03103  
ATTN: Repair Dept.

## **Triplett One Year Limited Warranty**

Triplett warrants instruments and test equipment manufactured by it to be free from defective material or workmanship and agrees to repair or replace such products which, under normal use and service, disclose the defect to be the fault of our manufacturing, with no charge within one year of the date of original purchase for parts and labor. If we are unable to repair or replace the product, we will make a refund of the purchase price. Consult the Instruction Manual for instructions regarding the proper use and servicing of instruments and test equipment. Our obligation under this warranty is limited to repairing, replacing, or making refund on any instrument or test equipment which proves to be defective within one year from the date of original purchase.

This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or

## **Triplett One Year Limited Warranty Cont.**

which have had the serial numbers altered, defaced, or removed. Accessories, including batteries and fuses, not of our manufacture used with this product are not covered by this warranty.

To register a claim under the provisions of this warranty, contact Triplett's Customer Service Department for a Return Authorization Number (RMA) and return instructions. No returned product will be accepted without an RMA number. Upon our inspection of the product, we will advise you as to the disposition of your claim.

ALL WARRANTIES IMPLIED BY LAW ARE HEREBY LIMITED TO A PERIOD OF ONE YEAR FROM DATE OF PURCHASE, AND THE PROVISIONS OF THE WARRANTY ARE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED.

The purchaser agrees to assume all liability for any damages and bodily injury which may result from the use or

## **Triplett One Year Limited Warranty Cont.**

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Triplett reserves the right to discontinue models at any time, or change specifications, price or design, without notice and without incurring any obligation.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.