

9. Instructions for Use

- 9.1. Power on/off** - Press [power on/off] key to turn the unit on or off.
- 9.2. Data Hold** - In measurement mode, press [HOLD] key, the "HOLD" icon will appear on the LCD to indicate the data is being held. To release the held reading, press [HOLD] key again.
- 9.3. Max/Min** - In measurement mode, press [MIN/MAX] key, the "MAX" icon will appear on the LCD and the maximum reading recorded will be displayed on the LCD. Press MIN/MAX] key again, "MIN" icon will appear on the LCD and the minimum value recorded will be displayed on the LCD.
Hold [MIN/MAX] key, to exit MAX/MIN mode and return to normal measurement mode.
- 9.4. Use of [FAST/SLOW] key** - In measurement mode, press [FAST/SLOW] key, to select fast or slow time weighting measurement.
FAST: Fast sampling measurement = 1 measurement per 125ms.
SLOW: Slow sampling measurement = 1 measurement per second.
- 9.5. Temperature unit conversion** - The default temperature unit is °C but can be switched to °F.
With the meter off, press and hold the [HOLD] key at the same time as pressing the [power on/off] key to switch on the meter and change units from °C to °F.
- 9.6. Enable/Disable auto power off** - With the meter off, press and hold the [MIN/MAX] key at the same time as pressing the [power on/off] key to switch on the meter, the auto power off icon will disappear from the LCD screen to indicate the power off function is disabled. The meter may now only be switched off by pressing the [power on/off] key.
Note: When the auto power off icon is displayed on the screen, the meter will automatically turn off after 15 minutes of inactivity.

10. Notes

- (1) This meter has been calibrated before delivery and includes a Calibration Certificate traceable to National Standards. The recommended recalibration period is one year. Please contact **S.Brannan & Sons** for enquiries regarding recalibration.
- (2) Repairs and servicing should only be performed by qualified personnel.
- (3) Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.
- (4) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- (5) When the low battery icon appears, replace the meter's battery.
- (6) Do not store or operate the meter in high temperature or humidity.
- (7) Working in strong magnetic environment will affect the measuring accuracy.

11. Safety Precautions

- This instrument is intended for the field of application described above. It should only be used as described within these instructions.
- Unauthorised repairs, modifications or changes to the product are prohibited.

Caution! Risk of injury!

- Batteries must not be thrown into fire, short-circuited, dismantled or recharged. Risk of explosion!
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by leaking.
- Never use a combination of old and new batteries together or different battery types.
- Wear chemical-resistant protective gloves and safety glasses when handling leaking batteries.

Important information on product safety!

- Keep device away from extreme temperatures, vibrations or shocks.
- Protect device from moisture.

brannan.co.uk



Manufacturer: S.Brannan & Sons, Leconfield Industrial Estate, Cleator Moor, Cumbria, UK, CA25 5QE
EU Authorised Representative: Comply Express Unipessoal Limitada, StartUp Madeira, EV141,
Campus de Penteada, 9020 105 Funchal, Portugal



Product instruction sheet



Mini Thermo-Sound Level Meter (13/471/0)

Measurement for life.



REV3.2023

1. General Description

This Sound Level Meter uses a condenser microphone to provide highly accurate and fast response sound level readings. The Meter is designed to meet the measurement requirements of Safety Engineers, Health Officers, Industrial Safety Officers and sound quality control in various environments such as factories, schools and construction sites.

This instrument is supplied complete with Calibration Certificate traceable to National Standards.

2. Product Contents

- Thermo-Sound Meter
- Calibration Certificate traceable to National Standards
- Instruction manual
- 3 x AAA batteries

3. Before You Start

- Please read this instruction manual carefully.
The information in this manual will help you to familiarise yourself with your new device, functions and parts and operation.
- Carefully following the instructions in this manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
- We shall not be liable for any damage occurring as a result of the user not following these instructions. Likewise, we take no responsibility for any incorrect readings and for any consequences which may result from them.
- Please take particular note of the safety advice!
- Please keep this instruction manual for future reference.

4. Basic Operation

- 4.1. Remove protective film from batteries in the battery compartment.
- 4.2. Press [power on/off] key to turn on the meter. The unit will carry out a self-inspection, following which the LCD shows the current temperature and sound level readings.
- 4.3. Press [power on/off] key to turn off the meter after use.

Note:

- Remove batteries during long periods of inactivity to avoid battery leakage.

5. Product Features

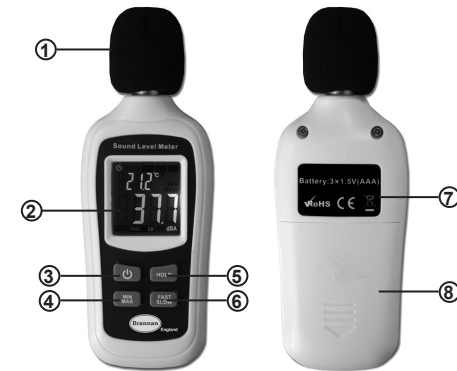
- High accuracy, fast response
- Colour LCD display with backlight
- Sound level and temperature measurement
- MAX/MIN and data hold
- Wide frequency range
- Fast/slow time weighting
- Over range indication
- Low battery indication
- Auto power off - enable/disable function

6. Specifications

Measurement	Range	Accuracy	Resolution
Temperature:	-20 to +70°C&F	+/- 1.5°C (2.7°F)	0.1°C&F
Sound Level:	35 to 135 dB	+/- 2.0 dB	0.1
Dynamic Range:	50 dB		
Frequency Range:	31.5 to 8 KHz		
Frequency Weighting:	A		
Time Weighting:	Fast: 125 ms / Slow: 1s		
Data Update:	300 ms		
Microphone:	1/2" electrets condenser		
High/Low Reading Indication:	> 100 dB: LCD displays "Hi" / < 100 dB: LCD displays "Lo"		
Power Off:	Auto shut down after 15 mins inactivity (unless auto off disabled)		
Operating Conditions:	-20 to +60°C&F / 10 to 90%RH		
Storage Conditions:	-20 to +60°C&F / 10 to 75%RH		
Battery:	3 x AAA (included) Average life - 60 hours on continuous use		
Dimensions:	144 x 56 x 30.5mm		
Weight:	73g		

7. Meter Description

- (1) Windscreen microphone cover
- (2) LCD display
- (3) Power On/Off key
- (4) MAX/MIN key
- (5) Hold key
- (6) Fast/Slow selection key
- (7) Information label
- (8) Battery compartment



8. LCD Display Description

- (1) Auto power off icon
- (2) Data hold icon
- (3) MAX icon
- (4) MIN icon
- (5) Low battery icon
- (6) Temperature unit icon
- (7) Frequency weighting icons
- (8) Hi/Lo icon
- (9) Slow/Fast icons
- (10) Sound level reading
- (11) Temperature reading

