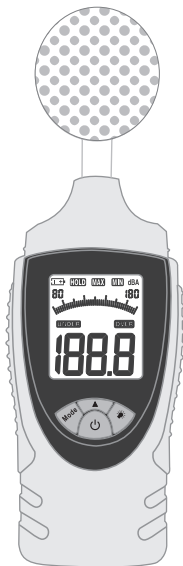


Pocket size sound level meter

ST8080

Instruction Manual



Please read this instruction manual thoroughly and carefully before put it into use and Keep this manual for later reference.

1. Safety

To make sure the instrument can be used for it's longest life , only operate the instrument properly, for its intended purpose and within the parameters specified in the technical data.


1.1 Operation Condition

- * Altitude : <2000 meters
- * Relative Humidity: <90%RH
- * Temperature : -10-40°C;(14 to 104°F)

1.2 Maintenance of the instruments

- * Send the instrument to the professionals for repair or maintenance.
- * Keep it away from dust and corrosive liquid.

1.3 Safety Mark

 The instrument is protected by double or reinforced insulation,regulated parts are required for repair.

 The instrument meets the standard of EMC

2. Specification

Frequency : 31.5Hz- 4KHZ
Range:40~130dB (40~80dB, 50~90dB, 60~100dB, 80~120dB, 90~130dB)

Frequency Weighting : A
Microphone : 1/2 electret condenser microphone
Display: LCD


Resolution:0.1dB
Sampling rate:0.5sec
Time weighting: Fast (125ms)
Accuracy: ± 2 dB (At 94dB,1KH)
Over range indication : "OVER"、 "UNDER"
Auto off : 10 minutes without operation
Power Supply : 3*AAA, LR03 AM4 (continuously working for 6h)
Operation temperature : -10~40 °C (14~104°F)
Operation Humidity: 10~90%RH
Storage temperature: -20~60 °C (-4~140°F)
Size:25mm*170mm*55mm
Weight:165g (batteries include)
Accessories : Instruction manual,
3*AAA batteries, wind screen .

3. Description and Function

3.1 Wind screen , 1/2 1/2 electret condenser microphone

Cover the microphone with the wind screen at the condition that the air speed exceeds 10m/s.


3.2 Max,Min value and hold

Press "" to hold the current value, and display the Max and Min value since the instrument been switched on in turn, press it again , back to the measuring mode .

3.3 Power button

Switch the instrument on or off

3.4 Range selection

When "UNDER" or "OVER" displayed on the screen, please select  more appropriate range from : 40~80dB, 50~90dB, 60~100dB, 80~120dB, 90~130dB

3.5 Back light button

Switch the back light on or off

3.6 LCD display

Bar graph :1 scale for 1dB, digital display : 0.1dB resolution .

3.7 Battery cover

Open the battery cover to replace battery .

4.Cautions

4.1 Do cover the microphone with the wind screen, since Wind can bring additional signal that affect the measurement accuracy.

4.2 Operate and storage the instrument in the specified temperature and humidity.

4.3 Avoid violent vibration to the instrument.

5. Operation

5.1 Open the battery cover , install the batteries ;

5.2 Point the microphone to the sound source , the reading will be displayed on the screen .

5.3 when the MAX/MIN/HOLD appeared on the top of the screen , the reading displayed below is the Maximum , minimum and the current value .

5.4 When the operation completed, switch the instrument off and take out the batteries .