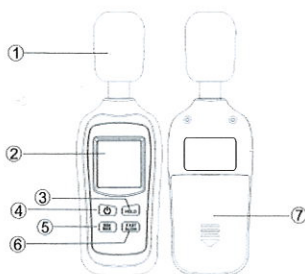


Operating manual Digital Sound Level Meter Model: ZSM 135

Features

1. Windscreen microphone cover
2. LCD Display
3. Hold button
4. Power on/off button
5. MAX/MIN
6. Fast/ Slow selection key
7. Battery compartment



Display

1. Data hold Icon
2. Auto power off Icon
3. Temperature readings
4. Sound level readings
5. Fast/Slow Icon
6. Hi/Lo Icon
7. Frequency weighting Icon
8. Temperature unit Icon
9. Low battery Icon
10. MAX/MIN Icon



Functions

- High accuracy, fast response
- Color LCD display with backlight
- Temperature measurement
- MAX/MIN
- Data HOLD
- Wide frequency range
- Fast/slow time weighting
- Over range indication
- Enable/Disable auto power off

Battery

- Open battery cover and install 3*1.5V AAA batteries in the battery compartment.
- Press button (4) to switch on the instrument. The meter conducts self-inspection, after LCD displays, it measures temperature and humidity automatically.
- After testing, press button (4) to turn off the meter.
- Note: Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

Specifications

Measuring level range	35dB~135dB
Dynamic range	50dB
Frequency range	31.5Hz~8KHz
Accuracy	±2.0dB
Frequency weighting	A frequency weighting
Time weighting	FAST:125ms/ SLOW: 1s
Microphone	1/2 inch electrets condenser microphone
High/low reading indication	100dB, LCD displays "Hi" 100dB, LCD displays "LO"
Temperature range	-20°C~+70°C/-4°F~158°F
Temperature accuracy	±1.5°C/2.7°F
Resolution	0.1
Data update	300ms
Battery life	at least 60 hours
Auto power off	after 15 minutes of inactivity
Battery	3 x 1.5V "AAA"
Operating conditions	-20°C~+60°C/-4°F~140°F, 10RH%~90 RH%
Storage conditions	-20°C~+60°C/-4°F~140°F, 10 RH%~75 RH%
Dimensions	144x56x30.5mm
Weight	73g

Operation

Press button On/Of (4) to turn on/off the detector.

HOLD button (3):

In the measuring mode, press button HOLD (3). "HOLD" icon will appear on the display. The data is frozen. To release this reading, press button (3) again.

MIN/MAX button (5):

In the measuring mode, press button MIN/MAX (5). Icon "MAX" will appear on the display. Maximum sound level will be displayed on the display. Press button (5) again. "MIN" icon will appear on the display. Minimum sound level will be displayed on the display. Press and hold button (5) to exit MAX/MIN mode and back to the normal measuring mode.

FAST/SLOW button (6):

Switch on the instrument. Press button FAST/SLOW (6) to select FAST(125ms) or Slow(1s) time weighting measurement.

FAST: Fast sampling measurement, 1 time per 125ms.

SLOW: Slow sampling measurement, 1 time per second

Switch off the detector. Press and hold button HOLD (3). Then press button (4) to switch on the detector. Select the temperature unit (°C/°F).

Switch off the detector. Press and hold button MAX/MIN (5). Then press button (4) to switch on the detector.

☉ icon disappears on the display. It indicates that the power off function is disabled. Press button (4) to turn off the meter.

Note: When the icon ☉ is displayed on the display, it indicates that the detector will automatically turn off after approx. 15 minutes of inactivity.