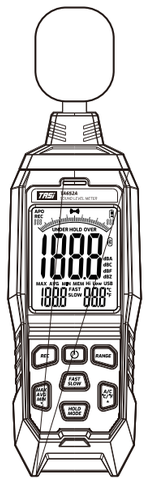
TA652A / B
SOUND LEVEL METER
Instruction Manual



Book #:PB01-0177

Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.

⚠ Notice: Before using this instrument, please read this manual carefully.

Introduction

Sound level meter (noise meter) is an instrument used for noise engineering, quality control, health prevention and various environmental noise monitoring. It is widely used in factory, school, hospital, shopping mall, hotel, theater, office, road traffic, home, audio and other occasions for volume measurement applications.

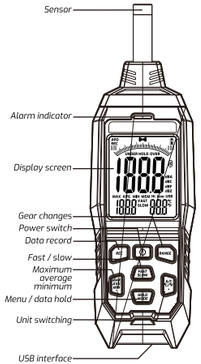
Product Features

- *Wide measurement range: 30~130dB (decibel);*
- *With A and C frequency network selection, time weighting fast/slow speed, rate selection;*
- *With maximum data hold and automatic shutdown function;*
- *TA652B can be connected to a PC through a dedicated USB data cable for online measurement. It has the functions of real-time data sampling analysis and downloading, storage, printing, data and curve analysis of recorded data;*
- *With A/C/Z analog signal output, it can be connected to a frequency analyzer or X-Y axis recorder for data statistical analysis.*

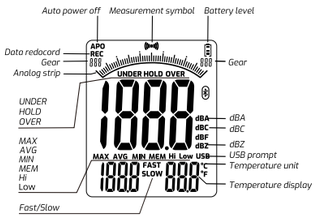
Specification

Display	4 digits, resolution:0.1dB
Microphone	High precision 1/2 inch micro phone
Accuracy	±1.5dB(sound pressure refrence, 94dB@1kHz)
Frequency response	31.5Hz~8kHz
Range	30~130dBA, 35~130dBC, 30~130dBZ
Frequecy	A/C/Z weighting; only TA652B with Z weighting
Analog bar	One scale represents 1dB
Measurement level	dBA: 30~80dB, 60~110dB, 80~130dB. dBC: 35~80dB, 60~110dB, 80~130dB. dBZ: 30~80dB, 60~110dB, 80~130dB.
Overload	"OVER, HI" , "UNDER, LO"
Time weighting	FAST: 0.125s, SLOW: 1s
Analog signal output	AC/DC signal is output by the headphone jack socket: AC=1Vrms, DC=10mV/dB(only TA652B)
Working environment	0~40℃, max 80%RH, indoor altitude<2000m
Storage environment	-10~50℃, max 70%RH (take out the battery)
Sampling rate	2 times /s
Auto power off	15minutes (canbe canceled)
Signal output	0.707Vrms, output impedance about 600Ω
Data storage	Support 10,000 groups data records
Data upload	Data upload and real-time measurement , only TA652B
Synchronous update	Refer to PC information for program update
Power	3 x 1.5V AA(LR06) battery USB micro interface 5V
Size	229 x 70 x 35MM
Weight	215g(Battery not included)

Panel Instruction



Screen Display



Button Function Description

POWER: *Power button, long press to turn-on and lightly to turn-off, (uses as switch on and off under MODE menu);*

▲: Under the MODE menu, uses for adding data, long-press to increase;

▼: Under the MODE menu, uses for deducting data,, long press to decrease;

HOLD: *Data hold, tap to turn on and turn off the data hold function;*

A/C: *Unit switching, short press to switch between A-weighting, C-weighting and Z-weighting, long press≥2s to enter the teperature unit switching;*

REC: *Data storage button,long press≥2s to start the data record, short press to stop and restart, then long press≥2s to close the data record;*

MAX/MIN/AVG: *Short-press to cycle among the maximum value, minimum value and average value, then the sub-window will demonstrate the value;*

FAST/SLOW: *Time weighting switch, short press to switch between FAST and SLOW .*

RANGE: *Short press to switch the measuremnet range.*

MODE: *Long press ≥2s to enter the menu,*

- *Press the 1st time to enter the HI alarm limit setting,*
- *Pres the 2nd time to enter the LOW alarm limit setting*
- *Press the 3rd time to set the REC data recording interval time adjustment. You can adjust the recording interval time through the up and down keys. The default value is 5 seconds, 10 seconds, 30 seconds, 60 seconds, 30 minutes, 60 minutes, 12 hours and 24 hours, 8 levels in total.*
- *Press the 4th time to enter the data record storage, the REC symbol is displayed, and the records groups is demonstrated at the bottom. You can check the records by pressing the up and down buttons. Under this menu, long press the MAX/AVG/MIN+A/C button for ≥2s to store data.*
- *Press the 5th time to exit the menu. Under any menu, long press MODE>2s to exit the menu and save the data.*

⚠ Note: The recorded data will be saved to avoid lost during power-off or replace the battery.

Measurement Method

- *Press the power button to turn on the meter;*
- *Refer to the function description of each button, press the function button to enter each measurement function;*
- *Read the measured value on the LCD display;*
- *Measuring done, press the power button to turn it off.*

Auto Shutdown and Cancel Auto Shutdown

- *The auto shutdown function switched on by default when turned on the meter, and the screen showed the APO symbol. Only if you stop using it for 15 minutes will it trigger the automatic shutdown mode.*
- *If you need to cancel the automatic shutdown function, press HOLD and POWER button to turn on the meter, the APO symbol will not appear and the automatic shutdown function is canceled. The auto shutdown function can be restored as long as restart the meter.*
- *When the meter turns on the auto shutdown function, the display screen shows the APO symbol, APO symbol will disappear once canceled the auto shutdown function.*

Battery Replacement

- *When low battery appeared, the battery level shows empty, indicating that the battery needs to be replaced.*
- *Replace the 3pcs AA batteries by removing the battery compartment cover, please pay attention to the battery polarity when placing the battery into the compartment.*
- *Ensure that the compartment cover is securely fastened when finished.*

⚠ Remark: when the battery is lower than about 3.8V, the battery low voltage prompt.

Maintenance

- *Do not measure for a long time under high temperature and high humidity environment.*
- *Regular calibrated is needed to maintain the accuracy of the device.*
- *Please remove the battery if not used for a long time.*
- *If your device does not work properly, and the repair requirements was confirmed by the manufacturer or dealer. The user should provide a text failure description and packing list , and the packaging should be well cushioned and protected.*

TASI

Product: SOUND LEVEL METER
Model: TA652A/B
Manufacture place: **MADE IN CHINA**

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