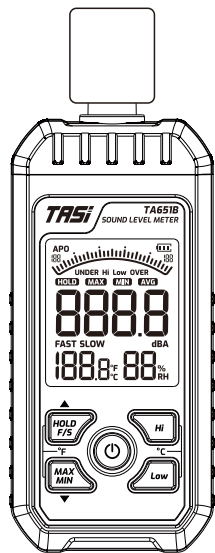


TA651B SOUND LEVEL METER Instruction Manual



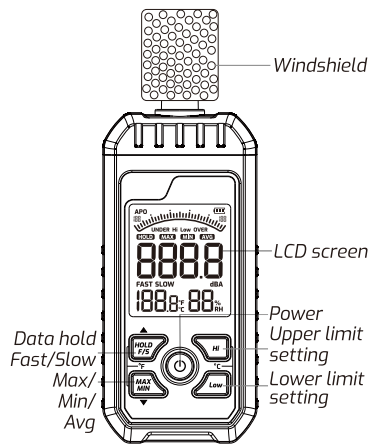
Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.

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

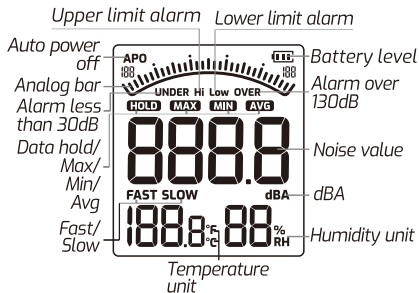
Product Features

- Wide measurement range: 30~130dB;A;
- With FAST/SLOW time-weighted and rate selection;
- With data hold, max/min/avg measurement function;
- Auto power off and cancel auto power off function;
- Hi, Low alarm limit setting function;
- The display screen has a color screen display and a red background light alarm prompt function;
- With temperature and humidity measurement function;
- Analog bar scale indication and low battery indication function.

Panel Instruction



Display



Specifications

Model	TA651B	
Microphone	High precision 1/2 inch micro phone	
Range	30~130dBA	
Resolution	0.1dB	
Accuracy	±1.5dB (sound pressure reference, 94dB@1kHz)	
Display	4 digits	
Frequency response	125Hz~8kHz	
Analog bar	One scale represents 2dB	
Overload	"OVER", "HI", "UNDER", "LO"	
Time weighting	FAST: 0.125s, SLOW: 1s	
Ambient temp.	Range	0~60℃
	Accuracy	±1℃
Ambient hum.	Range	0~99%RH
	Accuracy	±8%RH
Sampling rate	2 times/s	
Auto power off	15mins (can be canceled manually)	
Working environment	-10~50℃, max 80%RH, indoor altitude<2000m	
Storage environment	-10~50℃, max 70%RH (battery removed)	
Product size	152 x 55 x 33mm	
Screen size	37 x 41mm	
Weight	Approx. 115g (battery not included)	
Power	3 x 1.5V AAA (R03/LR03)	

Button Function Description

ⓘ : Power button, long press to turn-on and lightly to turn-off;

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

▼ : Under the Hi/Low menu, uses for deducting data, long press to decrease;

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

MAX/MIN/AVG: Short-press to cycle among the max value, min value, avg value and the real-time value;

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

Hi indicates over upper limit alarm setting: short press once to enter, adjust the alarm value by pressing the ▲/▼ key, and press again to exit the setting;

Low indicates over lower alarm value setting: short press once to enter, adjust the alarm value by pressing the ▲/▼ key, and press again to exit the setting;

HOLD+MAX/MIN long press together to switch the temperature unit into Fahrenheit;

Hi+Low long press together to switch the temperature unit into Celsius.

Note: The alarm value has a power failure retention function, and the data will be stored in the RAM of the microcontroller when the battery is replaced.

Measurement Method

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

Auto Power Off and Cancel Auto Power Off

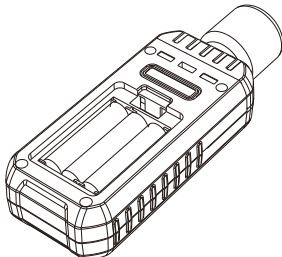
- The auto power off function switches on by default, the screen shows the APO symbol when turning on the meter. Only if you stop using it for 15 minutes will it trigger the automatic power off mode;
- If you need to cancel the automatic shutdown function, press HOLD and POWER button to turn on the meter, the APO symbol will not appear and the automatic power off function is canceled. The auto power of 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 AAA 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:

Battery indication: $\geq 4.2\text{ V}$ — three segments
 $\geq 4.0\text{ V}$ — two segments
 $\geq 3.8\text{ V}$ — one segment
 $< 3.8\text{ V}$ — no segment



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: TA651B
Date: 09/02/2026

Suzhou TASI Electronics Co.,Ltd.
Add:5th Floor, Building 5, No. 317, Mudong Road, Wuzhong District, Suzhou City, Jiangsu Province, China.
Tel:+86-512-68057436
<http://www.china-tasi.com>

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