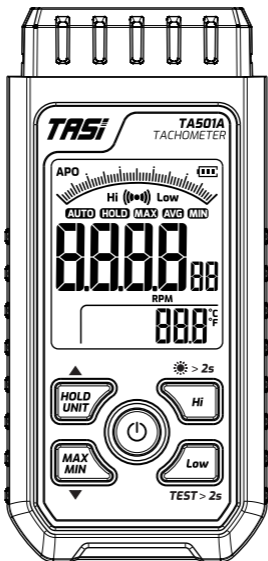


TASI

TA501A

TACHOMETER

Instruction Manual



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Pack #:PB01-0185

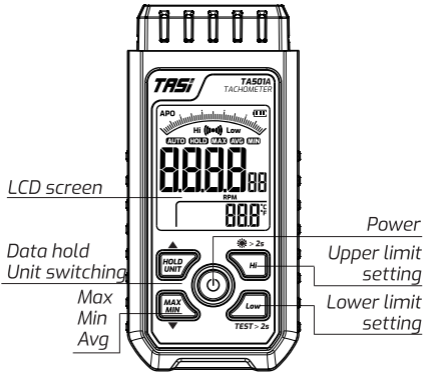
Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.

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

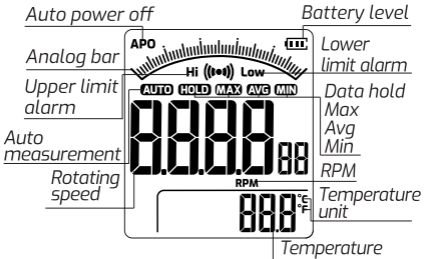
Product Features

- Easy to use, non-contact measurement;
- With data hold, max/min/avg measurement function;
- Auto power off and cancel auto power off function;
- Hi , Low alarm limit setting function;
- With backlight and color backlight alarm function;
- With temperature and humidity measurement function;
- Analog bar scale indication and low battery indication function.

Panel Instruction



Display



Specifications

Model	TA501A	
Range	2.5RPM~99999RPM (rpm/min)	
Resolution	2.5RPM~999RPM (0.1RPM) 1000RPM above (1RPM)	
Accuracy	$\pm(0.05\% \text{ reading} + 1 \text{ digit})$	
Display	6 digits, max 999999	
Ambient temp.	Range	0~60°C
	Accuracy	$\pm 2^\circ\text{C}$
Effective distance	50mm~500mm	
Sampling rate	Approx. 0.8s (over 60rpm/min)	
Auto power off	10mins (can be canceled manually)	
Working environment	-10~50°C, max 80%RH, indoor altitude < 2000m	
Storage environment	-10~50°C, max 70%RH (battery removed)	
Product size	152 x 55 x 33mm	
Screen size	37 x 41mm	
Weight	Approx. 125g (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 maximum value, minimum value, average value and the real-time value;

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;

Press ☀ > **2s** to turn on the backlight, long press again for 2s to turn off the backlight, the backlight has no automatic shutdown function, and it will automatically turn off after automatic shutdown;

TEST : long press > 2s, the laser is turned on, the speed measurement is turned on, and the long press > 2s, the speed measurement is turned off.

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

Measurement Method

- Press ⏻ to turn on the meter;
- Long press TEST button > 2s, the speed function is turned on, red laser will be emitted from the head-end, and then aimed the laser beam at the reflective paper on the measured object;
- 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.

Notice:

- *Reflective mark: Cut out a square reflective tape of 12mm. The area of the reflective tape should not be too small on the rotation axis of the measured object. If the shaft is obviously reflective, paint it to black or stick it with black tape first, and then stick the reflective tape on it. (Before sticking the reflective tape, the object to be tested must be closed to stop its rotation, so as to prevent the operator from being injured by the rotating object to be tested; the surface of the rotating shaft with the reflective tape must be clean and smooth);*
- *Low-speed measurement: in order to improve the measurement accuracy, it is recommended that the user evenly paste a few reflective tapes on the object to be measured when measuring low-speed. At this time, the reading on the display is divided by the number of reflective tapes to obtain the actual measurement value;*
- *Do not irradiate the eyes of people or animals directly with the light beam emitted by the instrument to avoid injury;*
- *It is a hand-held instrument, the measured value will sometimes have human error due to the operator's arm shaking. It is recommended that to fix the instrument when necessary and then executing measurement.*

Warm notice:

When moving the meter from one environment to another, please wait for moments for the meter to stabilize.

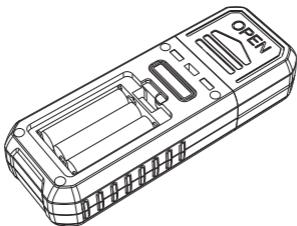
Auto Power Off and Cancel Auto Power Off

- 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 10 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: when the battery is lower than about 3.7V, 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

CE

Product: TACHOMETER
Model: TA501A
Manufacture place: **MADE IN CHINA**

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