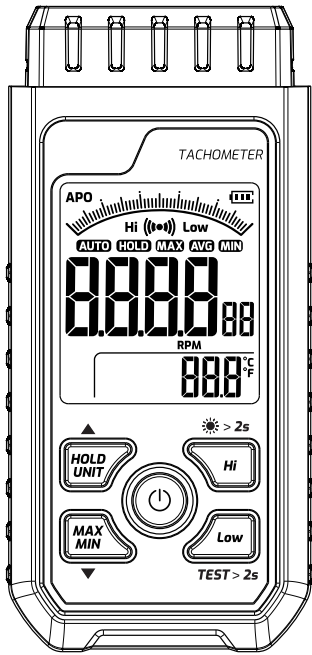


TACHOMETER

Instruction Manual



SCAN THE QR CODE
to download
Software & User Manual

TUTORIAL VIDEO ON HOW TO USE

Need more help? **CONTACT US.** <https://cd50.net/455>

Introduction

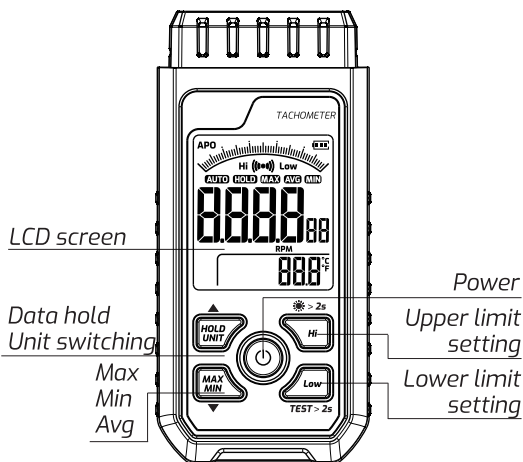
Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our product.

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

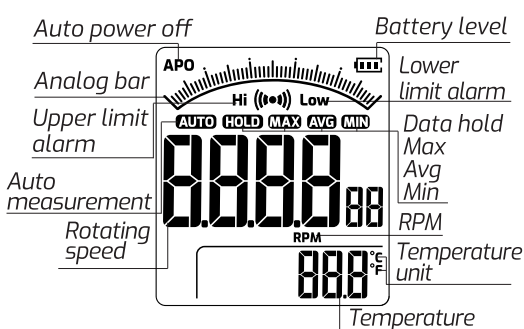
Product Features

- 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 measurement function;
- Analog bar scale indication and low battery indication function.

Panel Instruction



Display



Specifications

Range	2.5RPM~99999RPM (rpm/min)	
Resolution	2.5RPM~999RPM (0.1RPM) 1000RPM above (1RPM)	
Accuracy	±(0.05% reading+1 digit)	
Display	5 digits, max 99999	
Ambient temp.	Range	0~60°C
	Accuracy	±2°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 On/Off

Press the button to turn the meter on or off.

↔: ▲/HOLD/Temperature Unit

- Press the button to freeze/release the displayed reading
- In the Hi/Low limit setting mode, press the button to increase the value. Long press for quick adjustments.
- Press and hold the button over 2 second to toggle between °C/°F.

↔: ▼/MAX/MIN/AVG

- Press the button to toggle between MAX, MIN, AVG and real time value mode.
- In the Hi/Low limit setting mode, press the button to decrease the value. Long press for quick adjustments.

↔: Hi limit/Backlight

- Press the button to enter the Hi limit setting mode, adjust the Hi alarm value by pressing the ↔/↔ buttons. Press the ↔ button again to exit the setting.
- Press and hold the button over 2 seconds to turn on/off the backlight.

↔: Low limit/Test

- Press the button to enter the Low limit setting mode, adjust the Low alarm value by pressing the ↔/↔ buttons. Press the ↔ button again to exit the setting.
- Press and hold the button over 2 seconds to turn on/off the laser for speed measurement.

Note: The UNIT/Hi/Low settings will be saved to prevent loss after power-off or battery replacement.

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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..

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Measurement Method

- Press the ⊙ to turn on the meter
- Cut out a square reflective tape of 12mm and attach it to the object to be measured,
- Press and hold the ↔ for 2s to turn on the laser emitted from the head-end, and then aimed the laser beam at the reflective tape on the measured object.
- Refer to the button function description for each button to access the respective measurement function.
- Read the measured value on the LCD display
- Press the ⊙ to turn it off after measuring is done.

Disable/Enable Auto Power Off Function


· The auto power off function switches on by default, the screen shows the **APO** symbol when turning on the meter. The meter will automatically turn off after 10 minutes of inactivity.

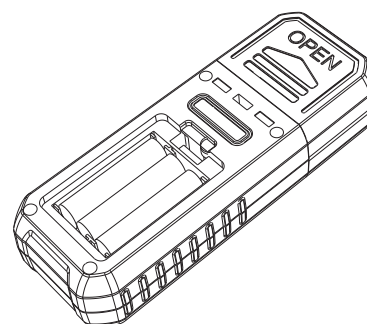
· To disable Automatic Power Off: Before startup the device, press and hold the ↔ and ⊙ buttons simultaneously for 3 seconds until **APO** icon appears on the screen. **APO** symbol will disappear after disabling the Auto Power Off function.

Note: The auto power off function will restore when restart the meter.

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Battery Replacement

- When the battery level is low, an empty battery icon  will be displayed, indicating that the batteries need to be replaced.
- To replace the batteries, please follow these steps:
 - Remove the battery compartment cover.
 - Remove the 3 old AA batteries.
 - Ensure the correct battery polarity when inserting the new batteries into the compartment.
 - Reattach the compartment cover.



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.