

# Digital Tachometer

## User Manual



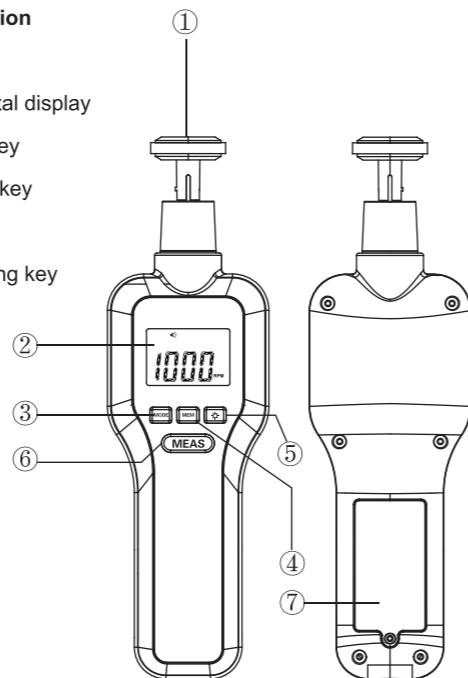
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### Product Introduction

This product is a handheld non-contact tachometer measuring instrument, mainly used for measuring the motor speed, linear velocity, or frequency. Commonly used in motor, electric fan, paper making, plastic, chemical fiber, washing machines and cars field.

### Product Description

- 1) Sensor
- 2) LCD liquid crystal display
- 3) MODE model key
- 4) The MEM view key
- 5) Backlight key
- 6) MEAS measuring key
- 7) Battery



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### Features

- 1) provides quick, accurate contact and non-contact measurement of the speed and rotating speed on the object surface.
- 2) measurement types: rotational speed (RPM, RPM), counter rotating (REV), frequency (Hz), surface velocity (m/min, inches/minute, feet per minute, code/min) and length (meters, inches, feet, yards).
- 3) wide measuring range, high resolution.
- 4) the visible digital liquid crystal display and backlight display.
- 5) laser target
- 6) 30 data storage: 10 measuring maximum, minimum 10 measurement, 10 measuring instantaneous value.

### Specifications

Display: five LCD display  
Accuracy:  $(0.02\% \pm 2 \text{ digit})$   
Contact measurement range: 2~20,000 RPM  
Non- contact measurement range: 2~99,999 RPM  
Counting measuring range: 1~99,999  
Resolution: 0.1 or 1  
Sampling time: 0.5 s. (more than 120 RPM)  
The measured distance: 50mm~600mm  
Power consumption: about 45 ma  
Battery: 9V  
Working temperature: 0 to 50°C(32°F to 122°F)

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### Operation

Open the battery cover, and install a 9 v battery.  
Non-contact: Paste the self-adhesive reflective film on the measured object, the reflective film should be posted on the edge of the object as much as possible.  
Contact: install the accessories adapter on the tachometer. Press the "MEAS" button, and aim the reflective film with the laser on the measured object, if it's contacted, aimed the instrument accessories on the axis of the measured object, then the data will display on the instrument screen.

### Function

Scanning mode: the current measured value will displayed on the display screen, and the main screen will lock the final numerical until re-measure or auto power-off.  
data storage: Press the "MEAS" button until the measurement data display on the LCD screen, observe this data and press the "MEM" button to store. At this time, the maximum and minimum values and the instantaneous value is stored in the storage, then, the data address nether the LCD screen will plus one.  
Data Review: Press the "MEM" button to view the stored data. Press the "MEM" button one time, the instrument will show the next data storage area, can be check the maximum and minimum value. If there's not data on storage then the instrument will into the next page, and does not show the maximum and the minimum. Press the "MEM" button, the instrument will display the date from DATA0 storage area to DATA9 data storage area. Users can easily observe the data which they need.

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