

Intelligent Digital Tachometer

Operating Manual

I. Characteristics

1. Beautiful and elegant appearance design, convenient and comfortable to use;
2. Wide measurement range, and high resolution;
3. Single-chip microcomputer technology, photoelectric technology and anti-interference technology used, to accurately measure the rotation speed;
4. Super large-size LCD, with clear reading;
5. Automatically memorizing the measured maximum, minimum and the last displayed values;
6. Low power indication when the battery voltage is lower than the specified value;
7. Automatic off: Automatic off in about 15min when no key is operated.

II. Specifications

Display: 5-digit 16mm LCD

Accuracy: $\pm (0.05\%+5)$

Range selection: Automatic range

Effective distance: 50mm-500mm

Dimension: 157mm*64mm*31mm

Power supply: 1*9V 6F22 batteries

Power consumption: Less than 40mA

Weight: About 200g (including batteries)

Measurement range:

1.0-19999 rpm for contact rotation speed

1.00-1999.9 m/min for contact line speed

3.3-6560 ft/min for contact line speed

Resolution:

Contact rotation speed: 0.1rpm (0.5-999.99rpm)

1rpm (above 1000rpm)

Contact line speed: 0.01m/min (0.05-99.999m/min)

0.1m/min (above 100m/min)

0.1ft/min (0.1-999.99ft/min)

1ft/min (above 1000ft/min)

III. Operation Instructions

1. Starting up

Load four 9V 6F22 batteries. Long press the ON/OFF key to switch it on or off, and short press this key for function selection.

2. Contact rotation speed

- A. Short press ON/OFF key to select the measurement mode: contact RPM, and install the contact accessory.
- B. Get the contact rubber head close with the measured

object and make it rotate in sync with the measured object.

C. Press TEST key to start measuring, and release the TEST key after the displayed value stabilizes and the measured values will be automatically stored.

D. Press MEM key to display the maximum, minimum and the last measured values.

3. Contact line speed

A. Short press ON/OFF to select the measurement mode: m/min (metric system), and install the contact accessory.

B. Get the contact accessory close with the measured object and make it rotate in sync with the measured object.

C. Press TEST key to start measuring, and release the TEST key after the displayed value stabilizes and the measured values will be automatically stored.

D. Press MEM key to display the maximum, minimum and the last measured values.


5. Measurement Notes

Please take out the batteries if not to use the instrument for a long time, so as to avoid damaging the instrument by corroded batteries.

6. Description of MEM Function

When TEST key is released, the display will display "0" and current measurement mode, but the measured maximum, minimum and the last measured values are automatically stored in the instrument, and at this time, press MEM key for it to display the measured values, wherein "MAX" means maximum, "MIN" means minimum, and "LA" means the last value. Each time the MEM is pressed, another memorized value will be displayed.

7. Battery Replacement

A. When batteries are lower than 7V, LCD will display  icon to prompt for battery replacement.

B. Open the battery cover and take out batteries, and then correctly install batteries according to the identifications in the battery case.

Accessories:

Manual	1 copy
Accessory for contact line speed measurement	1 piece
Accessory for contact rotation speed measurement	3 pieces

Attention: Photoelectric type measurement is recommended during measurement of high rotation speed for sake of safety.