



# 505L Digital Hand Tachometer

The 505L is a combination photo and contact tachometer that also measures surface speeds of belts and wheels.



Photo Actual Size

## Use Your 505L For These Applications

- Measure motor input and output shaft speed
- Determine conveyor belt speed
- Confirm fan, motor, and gear RPM
- Measure RPM of flywheels and pumps
- Monitor pulley rotation RPM and turbine speeds

## Features:

- Multifunctions : Photo Tach & Contact Tach & Surface Speed
- Wide Measuring Range: 6 to 30,000 RPM
- Last Value, Max Value, Min Value: Automatically Saved and Recalled

## 505L Tech Tip

It's easy to test your 505L to make sure it is operating properly. First, point the 505L at the palm of your hand and press the on button. You should see light from the output lens. Second, point the 505L at a fluorescent light and press the on button. The reading should be 7200 RPM +/- 5 RPM.



# 505L Digital Hand Tachometer

**OPTICAL INPUT:** Laser is emitted and picked up through the lens for making non-contact measurements. Contact adapter screws on for making contact speed and RPM measurements.

**DISPLAY:** LCD with annunciators

**START:** Turns the tachometer on to perform tests.

**FT/MIN:** Activates contact speed mode with readings displayed in feet per minute.

**MEMORY:** Displays the Last, Minimum, and Maximum readings taken.

**RPM:** Activates non-contact RPM mode with readings displayed in revolutions per minute.

**M/MIN:** Activates contact speed mode with readings displayed in meter per minute.

**RPM:** Activates contact RPM mode with readings displayed in revolutions per minute.

**LED INDICATOR:** Illuminates when measurements are being taken.

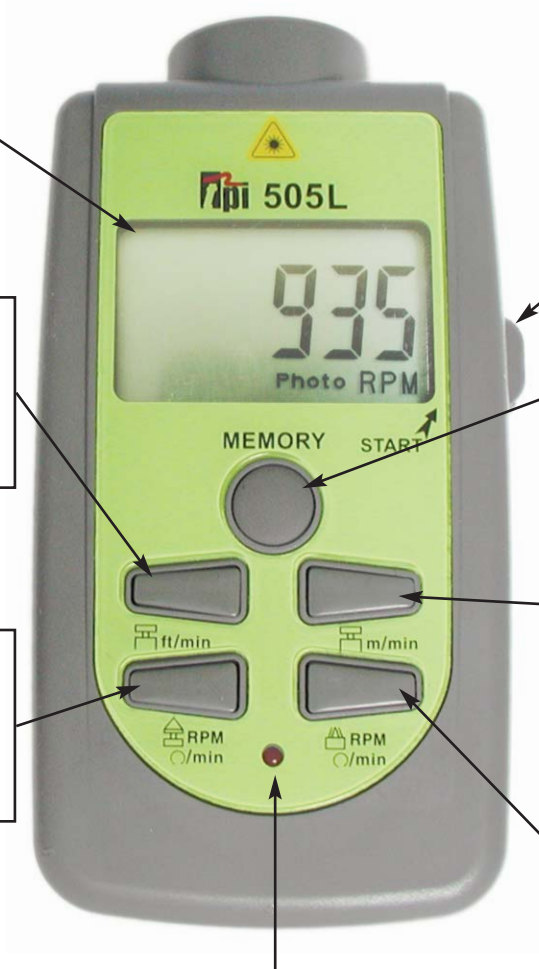


Photo Actual Size

**Dimensions:** 4.8" x 2.4" x 1.2" (123mm x 62mm x 31mm)  
0.4 lbs (181g)

## GENERAL SPECIFICATIONS

**Display:** 5 Digit LCD  
**Operating Temperature:** 32° to 122°F (0° to 50°C)  
**Operating Humidity:** 80% Max. R.H.  
**Power Supply:** AA Alkaline Bat. (2)  
**Maximum Distance from Target (photo mode):** 25 feet  
**Detection Type:** Laser reflection  
**Laser Output:** Class II 635~670nm  
**Signal Output:** +5V pulsed  
**Tripod Connection:** 1/4 inch

Function	Range	Accuracy
<b>Photo Tach:</b>	6 - 30,000 RPM	± 0.1% of FS + 1 digit
<b>Contact Tach:</b>	6 - 20,000 RPM	± 0.1% of FS + 1 digit
<b>Surface Speed:</b>	0.9 - 3,046 m/min	± 0.1% of FS + 1 digit
	2.0 - 9,990 ft/min	± 0.1% of FS + 1 digit