

# LASER TACHOMETER

## PLT-5000

### Measuring Range

6.0 – 99,999 RPM

The PLT-5000 Pocket Laser Tachometer accurately measures RPM and Surface Speed using contact or non-contact measurement techniques. This battery-powered unit is extremely compact for convenient portable use and is supplied in a rugged and attractive plastic housing that is ergonomically designed for optimum comfort.

When measuring RPM in the non-contact measuring mode, the PLT-5000 emits a precision laser beam that is aimed at a small piece of reflective tape, which is affixed to the rotating target.

The PLT-5000 is extremely easy to operate and quickly converts from non-contact operation to contact operation by screwing the contact adapter in place. In addition to RPM's, a wide variety of engineering units for surface speed and length are user-selected via the front panel buttons. Units include; feet per minute, meters/min, yards per minute, inches per minute and more.

A built-in memory stores up to 10 measurements plus minimum, maximum, average and last.

### FEATURES

- FREE NIST-traceable calibration certificate
- Sharp Visible Laser Beam
- Up to 60" Range
- Measures RPM and surface speed and length
- 14 memories
- Displays in Metric or English Readings
- One year warranty
- Simple One Button Operation



### PLT-5000 Complete Kit

The PLT-5000 comes with storage case, 6" circumference wheel, Funnel Adapter, Cone Adapter, Contact Adapter, three AA batteries, reflective tape, NIST certificate and instruction manual.



Data & Specifications

<b>Display</b>	5 digit 0.47" (12mm) height LCD
<b>RPM Measuring Range</b>	Contact: 6.0-20,000 RPM (limited for safety reasons) Non-Contact: 6.0-99,000 RPM
<b>Surface speed 6" Wheel</b>	(m/min) 1.0-3,810, (yards/min) 1.0-4,166.4 (inch/min) 36-99,999 (feet/min) 3.0-12,499
<b>Length ( Using 6" wheel)</b>	(M) 0.2-99,999-(yards) 0.2-99,999 -(feet) 0.5-99,999
<b>Total RPM</b>	1-99,999
<b>Accuracy</b>	Revolution 6.0-599.9 rpm± 1rpm, 600-99,999 rpm:± 0.006% & ± 0.5 digit
<b>Surface speed, length</b>	0.4% and ± 1 digit
<b>Memory function</b>	14 Reading are stored in memory and retained for five minutes (Last, Max, Min, average, and 10 selectable measurements.)
<b>Update time</b>	One Second
<b>Detection</b>	Laser Diode
<b>Auto Power Off</b>	5 Minutes
<b>Batteries Included</b>	3 AA 1.5V
<b>Low Battery Indicator</b>	Flashing "LO BAT" in display
<b>Over Range Indicator</b>	Flashing "OVR" display
<b>Operating Temperature</b>	32-111°F (0-45 °C)
<b>Case Construction</b>	ABS Resin
<b>Dimensions</b>	4.55" L x 2.52" W x1.24"H (115.5 mm x 64 mm x 3.15 mm) Length with contact adaptor: 149 mm
<b>Weight</b>	6 ounces (160 g)
<b>Accessories</b>	Storage Case, Cone Adapter, Funnel Adapter, Master Wheel ( 6"), Contact adaptor, 3 AA batteries, 25 reflective tapes, NIST Certificate, Instructions