

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

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

All specifications subject to change without notice.

Item	Price	Description
PLT-5000		PLT-5000 Complete Kit
DTCA		Spare cone tip for PLT-5000
DTFA		Spare funnel tip for PLT-5000
DTSX		Shaft Extension for PLT-5000
205T		Reflective Tape (1" x 7") for PLT-5000
205TS		Reflective Tab Sheet (35 1/2" x 1/2") for PLT-5000

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