

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 | \$ 269.00 | PLT-5000 Complete Kit |
| DTCA | \$ 10.00 | Spare cone tip for PLT-5000 |
| DTFA | \$ 10.00 | Spare funnel tip for PLT-5000 |
| DTSX | \$ 15.00 | Shaft Extension for PLT-5000 |
| 205T | \$ 5.00 | Reflective Tape (1" x 7") for PLT-5000 |
| 205TS | \$ 5.00 | Reflective Tab Sheet (35 1/2" x 1/2") for PLT-5000 |



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