



## POCKET LASER TACH 200

DIGITAL CONTACT/NON-CONTACT TACHOMETER

Pocket Laser Tach 200 (PLT200) is a digital, battery-powered portable optical tachometer, which operates up to 25 feet from a reflective target using a laser light source. The ergonomic design allows safe, direct line-of-sight viewing of both the target and the display at the same time, while providing a non-slip rubber surface for single hand operation.

### Multi-Function

PLT200 is a 32 function Tachometer/Ratemeter, Totalizer/Counter and Timer (stopwatch), which is programmable in both English and Metric rates. Support is built-in for both our optional Remote Contact Assembly (RCA) and our Remote Sensors. PLT200 has a TTL compatible Pulse Output to trigger devices like data collectors or stroboscopes. The KIT is supplied complete with a Remote Contact Assembly including concave and convex tips and a 10 cm linear speed wheel all in a latching carrying case.

### Two Tachs in One

the only portable laser tachometer available with remote sensors

Optional plug-in Remote Sensors with 8 foot cables (100 feet optional)



Remote Optical Sensor (ROS-P) Gap 36 inches



Remote Magnetic Sensor (MT-190-P) Gap 0.25 inches



Remote Infrared Sensor (IRS-P) Gap 0.50 inches

Optional Remote Contact Assembly (RCA) with 6 foot cable.

Optional Contact Tips and 10 cm Linear Contact Wheel

Optional 12 inch circumference Linear Contact Wheel



Pocket Laser Tach 200 Kit pictured including Tachometer, RCA, Contact Tips, 10cm Linear Contact Wheel, 5 feet of T-5 Reflective Tape and a Latching Carrying Case.



### Features

- Operating Range up to 25 feet\* (Class 3R visible laser)
- Accepts Remote Contact Assembly (optional)
- Accepts Remote Sensors (optional)
- TTL Pulse Output
- Auto Ranging/Fixed Decimal (user selectable)
- English and Metric Rates
- Tripod Mounting Bushing
- On-Target and Low Battery Indicators
- Rugged Rubberized Housing
- N.I.S.T. traceable Certificate of Calibration included

### Specifications

- Display: 5 Digits, 5 Alpha-numeric LCD
- Range(s) \*Optical: 5 to 200,000 RPM  
\*\*Contact RPM: 0.5 to 20,000 RPM

Rates	10cm Contact Wheel	12 inch circumference Contact Wheel
Inch/min	1.969 to 78,740 IPM	6.000 to 144,000 IPM
Feet/min	0.164 to 6,561.7 FT/M	0.500 to 12,000 FT/M
Yard/min	0.055 to 2,187.2 YPM	0.167 to 4,000.0 YPM
Cm/min	5.000 to 200,000 cm/M	15.240 to 365,760 cm/M
M/min	0.050 to 2,000.0 M/M	0.153 to 3,657.6 M/M

- Totalizer: 1-200,000
- Accuracy: Optical:  $\pm 0.01\%$  of reading  
Contact:  $\pm 0.05\%$  of reading (rpm)
- Resolution: 0.001 to 10 RPM (range dependent)
- Operating Range: 2 inches to 25 feet,  $\pm 70^\circ$
- Memory: Maximum, Minimum and Last
- Power: (2) "AA" 1.5 VDC batteries (30 hours)
- Environmental:  $5^\circ$  to  $40^\circ\text{C}$  ( $0^\circ$  to  $100^\circ\text{F}$ )  
80% RH up to  $31^\circ\text{C}$  ( $88^\circ\text{F}$ )
- Dimensions: 6.92 "H x 2.4"W x 1.6"D
- Weight: 7 oz. (210 g)

\* performance subject to intensity of ambient light irradiation.  
\*\* also reads units per second and per hour.

## MONARCH INSTRUMENT

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# MONARCH INSTRUMENT

*Innovation in Instrumentation*



## POCKET TACH 99

DIGITAL NON-CONTACT OPTICAL TACHOMETER

Pocket Tach 99 (PT99) is a digital, battery-powered portable non-contact optical tachometer, which operates up to 36 inches from a reflective target using an LED light source. The ergonomic design allows safe, direct line-of-sight viewing of both the rotating target and the display at the same time, while providing a non-slip rubber surface for single hand operation. Pocket Tach 99 is the value-leader of the world-class Pocket Tach Series from Monarch.

### Features

- Operating Range up to 36 inches (red LED)
- Rugged rubberized industrial housing
- Lock "ON"
- Auto Ranging/Fixed Decimal (user selectable)
- Tripod Mounting Bushing
- On-Target and Low Battery Indicators
- N.I.S.T. Traceable Certificate of Calibration (optional)



Pocket Tach 99 has a unique ergonomic design, which allows you to safely observe both the LCD display and the rotating target at the same time

### Applications

- |               |              |               |
|---------------|--------------|---------------|
| ■ Centrifuges | ■ Engines    | ■ Motors      |
| ■ Couplings   | ■ Fans       | ■ Pulleys     |
| ■ Pumps       | ■ P.T.O.     | ■ Shafts      |
| ■ Grinders    | ■ Gear Boxes | ■ Compressors |

### Specifications

- Display: 5 Digits, 5 Alpha-numeric LCD
- Range: 5 to 99,999 RPM
- Accuracy:  $\pm 0.01\%$  or  $\pm 1$  Digit
- Resolution: Autoranging: 0.001 to 1.0 RPM  
Fixed:  $\pm 1$  Digit RPM
- Operating Range: 2 inches to 36 inches,  $\pm 30^\circ$
- Memory: Maximum, Minimum and Last
- Power: (2) "AA" 1.5 VDC batteries (60 hours)
- Environmental:  $5^\circ$  to  $40^\circ\text{C}$  ( $0^\circ$  to  $100^\circ\text{F}$ )  
80% RH up to  $31^\circ\text{C}$  ( $88^\circ\text{F}$ )
- Dimensions: 6.92 "H x 2.4"W x 1.6"D
- Weight: 7 oz. (210 g)



Pocket Tach 99 or Pocket Laser Tach 200 can be tripod mounted. Tripod not included.



Pocket Tach 99 pictured with optional padded carrying pouch

- Automotive
- Industrial
- Marine
- Medical
- R&D
- Quality Control
- Plant Maintenance

**27** *twenty-seven years of innovation*

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