

## PLT200 Pocket Laser Tachometer



### Features

- Contact or Non-Contact modes
- View display and target simultaneously
- Lightweight
- Operates up to 25 feet from target
- Use remote sensors
- TTL input/output (3.5mm phone plug)

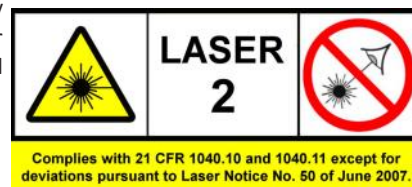


View Display and Target

The **Pocket Laser Tach 200 (PLT200)** is a digital, battery-powered portable optical tachometer, which operates up to 25 feet (8 meters) from a reflective target using a class 2 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.

### Multifunction Tool

The **PLT200** is a 32 function Tachometer/Rate meter, Totalizer/Counter and Timer (stopwatch), which is programmable in both Imperial and Metric rates. Includes two phone plug connectors for our optional Remote Contact Assembly (RCA) or remote sensors. The **PLT200** also has a TTL compatible pulse output to trigger devices like vibration 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. Sensors and input/output cable are optional.



### Specifications

|                     |                                                                     |                                                        |
|---------------------|---------------------------------------------------------------------|--------------------------------------------------------|
| Display:            | 5 Digits, 5 Alphanumeric LCD                                        |                                                        |
| Range (Optical):    | 5 to 200,000 RPM (subject to ambient light intensity)               |                                                        |
| Range (Contact):    | 0.5 to 20,000 RPM (also reads RPS and RPH)                          |                                                        |
|                     | <u>Rates</u>                                                        | <u>10cm Contact Wheel</u> <u>12 inch Contact Wheel</u> |
| Inch/min            | 1.969 to 78,740                                                     | 6.000 to 144,000                                       |
| Feet/min            | 0.164 to 6,561.7                                                    | 0.500 to 12,000                                        |
| Yard/min            | 0.055 to 2,187.2                                                    | 0.167 to 4,000                                         |
| Cm/min              | 5.000 to 200,000                                                    | 15.240 to 365,760                                      |
| Meter/min           | 0.050 to 2,000.0                                                    | 0.153 to 3,657.6                                       |
| Totalizer:          | 1-999,990 (events or length)                                        |                                                        |
| Timer:              | 99:59.9 Min, sec, tenths                                            |                                                        |
| Accuracy:           | Optical: $\pm 0.01\%$ of reading    Contact: $\pm 1.0\%$ of reading |                                                        |
| Resolution:         | 0.001 to 10 RPM (range dependent)                                   |                                                        |
| Operating Distance: | 2" to 25' (5cm to 7.62m), $\pm 70^\circ$ from perpendicular         |                                                        |
| Memory:             | Max, Min and Last                                                   |                                                        |
| Power:              | (2) "AA" 1.5Vdc batteries (30 hours)                                |                                                        |
| Environmental:      | 5° to 40° C (40° to 105° F), 80% RH up to 31° C (88° F)             |                                                        |
| Dimensions:         | 6.92 x 2.4 x 1.6in (17.58 x 6.10 x 4.06cm)                          |                                                        |
| Weight:             | 7 ounces (210 grams)                                                |                                                        |

### Ordering Information

| Item               | Description                                                                                                        | Part No. |
|--------------------|--------------------------------------------------------------------------------------------------------------------|----------|
| PLT200             | Tachometer, NIST Cert., batteries, 12 inches of T-5 tape                                                           | 6125-010 |
| PLT200 Kit         | Tachometer, NIST Cert., batteries, latching carry case, RCA with tips, linear speed wheel, 5 foot roll of T-5 tape | 6125-011 |
| <u>Accessories</u> |                                                                                                                    |          |
| ROS-P              | Remote Optical Sensor (LED) with 8' cable, 1/8" (3.5mm) phone plug and 12 inches of T-5 tape                       | 6180-057 |
| T-5 tape           | Reflective tape 5' roll, 0.5" wide                                                                                 | 6180-070 |
| 12" Wheel          | Linear contact wheel with 12" circumference for use with RCA (Remote Contact Assembly)                             | 6580-011 |

## PT-99 Pocket Tachometer



### Features

- 36 inch operating distance
- One hand operation
- LED light source
- Simple operation

The **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 a bright red 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. The **PT99** is the value-leader of the world-class Pocket Tach Series from Monarch.

### Specifications

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Display:         | 5 Digits, 5 Alphanumeric LCD                                  |
| Range:           | 5 to 99,999 RPM                                               |
| Accuracy:        | 0.01% or $\pm 1$ Digit                                        |
| Resolution:      | Auto ranging: 0.001 to 1 RPM    Fixed: 1 Digit                |
| Operating Range: | 2" to 36" (5cm to 91.44cm), $\pm 45^\circ$ from perpendicular |
| Memory:          | Max, Min and Last                                             |
| Power:           | (2) "AA" 1.5Vdc batteries (60 hours)                          |
| Environmental:   | 5° to 40° C (40° to 105° F), 80% RH up to 31° C (88° F)       |
| Dimensions:      | 6.92 x 2.4 x 1.6in (17.58 x 6.10 x 4.06cm)                    |
| Weight:          | 7 ounces (210 grams)                                          |

### Ordering Information

| Item | Description                                      | Part No. |
|------|--------------------------------------------------|----------|
| PT99 | Tachometer with 12 inches of T-5 tape, batteries | 6109-010 |