

PLT200

Pocket Laser Tachometer



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 phono 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.



View Display and Target

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 phono plug)

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
<i>Accessories</i>		
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

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)	
Rates	10cm Contact Wheel	12 inch Contact Wheel
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: ±0.01% of reading Contact: ±1.0% of reading	
Resolution:	0.001 to 10 RPM (range dependent)	
Operating Distance:	2" to 25' (5cm to 7.62m), ±70° 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)	

PT-99

Pocket Tachometer



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.

Features

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

Specifications

Display:	5 Digits, 5 Alphanumeric LCD
Range:	5 to 99,999 RPM
Accuracy:	0.01% or ± 1 Digit
Resolution:	Auto ranging: 0.001 to 1 RPM Fixed: 1 Digit
Operating Range:	2" to 36" (5cm to 91.44cm), ± 45° 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