

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 phono 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 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.

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	<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

Contact:
 Industrial Process Measurement, Inc.
 3910 Park Avenue, Unit 7
 Edison, NJ 08820
 732-632-6400
support@instrumentation2000.com
<http://www.instrumentation2000.com>