

### DT-200LR Combination Laser Tachometers

**Series DT-200LR Combination Contact/Non-Contact Laser Tachometers Laser-enabled precise RPM measurement up to 20 feet.** The Series DT-200LR digital tachometers incorporate laser technology yet retain our hallmark rugged construction and reliable quality components. Units offer incredible value and versatility as they can operate in non-contact and contact applications. These instruments feature a field-upgradeable contact adapter for linear rate measure, conveniently allowing both non-contact and contact measurements. Incorporating the precise laser technology and user-friendly functions as the DT-200LR tachometer, the DT-200LR-S12 provides an exceptional accuracy in measuring speed and length via its 12" wheel. The larger wheel rotates more slowly than a standard 6" wheel, enabling reliable and safe registration of high speeds.

All Series 200LR units come standard with a NIST traceable calibration certificate. We're confident you'll agree that these fine units are the most advanced handheld tachometers on the market!

#### Features

- Outstanding Accuracy allows usage in the strictest applications
- Sophisticated laser beam detection to 20 feet provides operator safety during testing
- Exceptionally rugged die-cast aluminum housing enables usage in the harshest conditions
- Wide field selection of units in both instantaneous rate as well as totalized length satisfies a multitude of user requirements
- Large 5 digit display aids user visibility
- 10 measurement memory capacity allows quick retrieval of stored data plus additional last, max. & min. values
- Long-life battery (25-40 hrs. continuous use) eliminates concerns of being down during testing
- Compact, Ergonomic design allows easy ergonomic grip
- Rear Threaded Inserts provides option to mount to stand or other device
- Available display options of either LCD or vibrant, bright red LED
- CE Mark combined with free NIST certificate provides a guarantee of quality performance



DT-205LR

DT-207LR



DT-207LR (LED)  
Tachometer  
Inspection  
Application



DT-207LR-S12  
Contact Tachometer  
with Optional 12" Circle Wheel



Standard DT-200LR  
in Supplied Case

**NIDEC-SHIMPO CORPORATION**

**INSTRUMENTS DIVISION** • Phone: (800) 237-7079 • Fax: (630) 924-0342 • [www.shimpoinst.com](http://www.shimpoinst.com)

## DT-200LR Specifications

<b>Display Range</b>	6 - 99,999 rpm
<b>Accuracy</b>	± 1 rpm: 6 - 8,300 rpm; ± 2 rpm: 8,300 - 25,000 rpm; ± 0.006% of reading ± 1 digit (± 6 rpm max.) 25,000 - 99,999 rpm
<b>Display</b>	5 digit 0.4" (10 mm) high LED
<b>Measuring Units</b>	rpm (on contact using adapter, included) for YPM, mPM, FPM, IPM, and Length: YRD, m, FT and IN Use wheel with 200L adapter
<b>Measuring Distance</b>	1" (25.4mm) to 20' (6m)
<b>Memory System</b>	13 readings are stored in memory and retained for 5 minutes (last, max., min., and 10 extra measurements)
<b>Detection</b>	Laser diode / contact
<b>Update Time</b>	1 second (typical)
<b>Power Requirement</b>	2 AA 1.5V batteries (Life: Approx. 25 hrs)
<b>Operating Temperature</b>	32° - 113°F (0° - 45°C)
<b>Construction</b>	Die-cast aluminum housing
<b>Product Weight</b>	0.8 lb (365 g)
<b>Package Weight</b>	Approx. 2 lb (.91 kg)
<b>Approvals</b>	CE
<b>Dimensions</b>	6.6" L x 2.4" W x 1.8" H (167.5 mm x 60 mm x 46 mm) with contact adapter: Length=8.25" (209 mm)
<b>Warranty</b>	2-Year
<b>Included Accessories</b>	Reflective tape, 2 cone adapters, funnel adapter, 3 1/2" extension shaft, carrying case, NIST certificate, master wheel (6" cir.) & contact adapter
<b>Options</b>	-S12 Option: Same as DT-200LR except 6" circumference wheel replaced with 12" circumference contact wheel

## Included Accessories



## Ordering Details

<b>DT-205LR</b>	Combination LCD Tachometer with laser sensor and contact adapter for use with included 6" contact wheel. Includes NIST certificate.
<b>DT-205LR-S12</b>	Combination LCD Tachometer with laser sensor and contact adapter for use with included 12" contact wheel. Includes NIST certificate.
<b>DT-207LR</b>	Combination LED Tachometer with laser sensor and contact adapter for use with included 6" contact wheel. Includes NIST certificate.
<b>DT-207LR-S12</b>	Combination LED Tachometer with laser sensor and contact adapter for use with included 12" contact wheel. Includes NIST certificate.

## Accessories

<b>CONE</b>	1/2 inch cone adapter
<b>CONE-3/4</b>	3/4 inch cone adapter
<b>CONE-1-1/4</b>	1-1/4 inch cone adapter
<b>DT-ADP-200LR</b>	Contact adapter for DT-200LR
<b>DT-CARRY100</b>	Carrying case for handheld tachometers
<b>EXT-SHAFT</b>	3.5 inch extension shaft for handheld tachometers
<b>FPM-12</b>	12 inch circumference measuring wheel
<b>FPM-6</b>	6 inch circumference measuring wheel
<b>FPM-6-GV</b>	6 inch circumference grooved measuring wheel
<b>FUNNEL</b>	1/2 inch funnel adapter
<b>TAB</b>	Sheet of thirty five 1/2 inch square reflective tabs
<b>TAPE</b>	1" x 7.75" strip of reflective tape
<b>NIST-TACH</b>	NIST traceable certificate with data

## Optional Accessories



FPM-12 (1L/min) 12" circle



FPM-6-GV (6" circle grooved wheel)

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