

## 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

## 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<br>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)<br>with contact adapter:<br>Length=8.25" (209 mm)   |
| <b>Warranty</b>              | 1-Year   |
| <b>Included Accessories</b>  | Reflective tape, 2 cone adapters, funnel adapter, 3½" extension shaft, carrying case, NIST certificate, master wheel (6" cir.) & contact adapter |
| <b>Options</b>               | -S12 Option: Same as DT-200LR except 6" dia. wheel replaced with 12" dia. contact wheel  |

## 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>FUNNEL-3/4</b>   | 3/4 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                 |

## Included Accessories



DISTRIBUTED BY:

## Optional Accessories



FPM-12 (ft./min) 12" circle



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

A Nidec Group Company

**SHIMPO** All for dreams

NIDEC-SHIMPO AMERICA CORPORATION

**TRANSCAT**

Visit us at [Transcat.com!](http://Transcat.com!)

35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001