

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!



DT-205LR

DT-207LR

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-207LR (LED)
Tachometer
Inspection
Application



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



Standard DT-200LR
in Supplied Case

DT-200LR Specifications

Display Range	6 - 99,999 rpm
Accuracy	±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
Display	5 digit 0.4" (10 mm) high LED
Measuring Units	rpm (on contact using adapter, included) for YPM, mPM, FPM, IPM, and Length: YRD, m, FT and IN Use wheel with 200L adapter
Measuring Distance	1" (25.4mm) to 20' (6m)
Memory System	13 readings are stored in memory and retained for 5 minutes (last, max., min., and 10 extra measurements)
Detection	Laser diode / contact
Update Time	1 second (typical)
Power Requirement	2 AA 1.5V batteries (Life: Approx. 25 hrs)
Operating Temperature	32° - 113°F (0° - 45°C)
Construction	Die-cast aluminum housing
Product Weight	0.8 lb (365 g)
Package Weight	Approx. 2 lb (.91 kg)
Approvals	CE
Dimensions	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)
Warranty	2-Year
Included Accessories	Reflective tape, 2 cone adapters, funnel adapter, 3½" extension shaft, carrying case, NIST certificate, master wheel (6" cir.) & contact adapter
Options	-S12 Option: Same as DT-200LR except 6" circumference wheel replaced with 12" circumference contact wheel

Included Accessories



Ordering Details

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

Accessories

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

Optional Accessories



FPM-12 (11/min) 12" circle



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

NIDEC-SHIMPO CORPORATION

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