

Operation Manual

Warning

- When using the 12" wheel, do not use the extension shaft - the wheel may fly off the shaft and cause damage.
- Although the tachometer alone is able to achieve the higher ranges listed in the Range and Accuracy table on page 3, the wheel attachment has a maximum speed limitation of 5,000 FPM (for safety reasons).
- Laser radiation may be harmful to the human eye. Avoid direct exposure of human eyes to laser light. Eye damage can result.
- Never point the unit at another person.
- Keep out of the reach of children.
- Avoid indirect exposure via reflective materials such as glass and mirrors.

CAUTION

LASER RADIATION
DO NOT STARE INTO BEAM
OUTPUT < 1 mW
WAVELENGTH 670nm
CLASS II LASER PRODUCT

When power button is depressed, laser is active.



DT-205LR-S12
LCD Display



DT-207LR-S12
LED Display

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!

- 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 (12" cir.) & contact adapter