

Spectra Precision Laser LL200



A Leveling Crew in a Case

Easy to learn and use, the Spectra Precision Laser LL200 is a one-person leveling system for elevation measurements on the job site. The laser level is ideal for a range of work, including putting in forms, footers and foundations; estimating cut and fill; building decks and terraces; and installing septic tanks and swimming pools. The LL200 includes everything you need in a single carrying case: laser, tripod, receiver and rod.

One Laser Levels Your Entire Work Area

With the LL200, you can perform any two-person leveling task with just one person. Simply set up the laser transmitter anywhere on your job site. The LL200 sends a continuous, self-leveled 360-degree laser reference over a work area, up to a 300-meter (1,000-foot) diameter. The laser beam provides an elevation reference that can be picked up by the HR200 receiver attached to the grade rod.



The receiver allows you to easily read elevation changes across your work area.

LL200-4

The Spectra Precision Laser LL200-4 features a three-screw leveling base on the laser. The option also includes a receiver, general-purpose clamp, and protective carrying case that's small enough to fit behind the seat of a truck. This system is ideal for contractors who already have a 5/8 X 11 tripod and grade rod.



Fast and Accurate

Fast and accurate, the LL200 will pay for itself in labor savings before you need to change the single D-cell battery. Just put one in the back of your truck—and change the way you work.

LL200 Benefits

- Frees up the instrument person for more productive tasks, and allows you to take more readings faster.
- Saves money on batteries. Operates up to three weeks before the battery needs replacing.
- Covers small- to medium-size job sites with one setup.
- Eliminates costly rework by indicating when the laser is out of its self-leveling range.
- Saves time by allowing you to quickly and easily set up and level the laser.
- Large carry case protects your laser system and makes it convenient to transport.
- Minimizes your downtime so you can keep your profits high.



LL200 Applications

- Leveling Forms
- Footings and Foundations
- Driveways and sidewalks
- Estimating cut/fill requirements
- Leveling and grading
- Patio decks and terraces
- Septic systems and leech fields
- Swimming pools



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A Leveling Crew in a Case

1. Power Button
2. Out-of-Level LED
3. Level Bubble
4. Low-Battery LED
5. Level LED
6. Battery Housing
7. Leveling Base
8. Leveling Dome
9. Legs
10. Three-Screw Leveling Base (LL200-4 only)
11. Power Button
12. Audio Button
13. Photocell
14. Marking Notches (front and back)
15. Battery Housing
16. Front and Back Liquid Crystal Displays (LCDs)



LL200 Laser Specifications

Accuracy ± 15 arc seconds or ± 2.2 mm/30 m ($\pm 3/32$ in./100 ft)
 Operating Diameter . . . 130 m (430 ft)—short axis / 300 m (1000 ft)—long axis
 Minimum Operating Range 3 m (10 ft)
 Self-Leveling Range. ± 30 minutes
 Level-Bubble Sensitivity 45 arc minutes/0.1 inch movement
 Out-of-Level Indication Flashing LED
 Power Source One 1.5-V D-cell alkaline battery
 Battery Life 100 hours @ 23°C (70°F)
 Low-Battery Operation 2 hours minimum
 Automatic Shutoff 15 minutes if the laser is not level
 Tripod Screw 5/8 x 11
 Water Resistant. Yes
 Operating Temperature -23° to 50° C (-10° to 120° F)
 Storage Temperature. -40° to 60° C (-40° to 140° F)
 Laser Type/Classification 780 nm IR/Class I
 Regulatory Conformance CDRH: Class I
 EC Directive 89/336/EEC using EN55022 and EN50082-1

HR200 Receiver Specifications

Accuracy ± 1.5 mm ($< \pm 1/16$ in.)
 Elevation Readout Front and back LCDs
 Out-of-Level Indication Audio and visual
 Audio Control On/Off
 Capture Height 50 mm (2 in.)
 Marking Notches. 50 mm (2 in.) below top of receiver
 Power Source. One 9-V alkaline battery
 Battery Life 45 hours
 Low-Battery Operation 1 hour
 Automatic Shutoff 8 minutes
 Water Resistant. Yes
 Operating Temperature -23° to 50° C (-10° to 120° F)
 Storage Temperature. -40° to 60° C (-40° to 140° F)
 Regulatory Conformance RFI (Radio Frequency Interference Protection) per 89/336/EEC using EN55022 and EN50082-1

Features

- One-person operation
- Long 100-hour battery life
- Elevation reading up to 150m (500ft) away, 360° laser source
- Out-of-level warning at the laser and receiver
- Integrated dome-base tripod (LL200)
- Integrated three-screw leveling base (LL200-4)
- Carrying case for the complete laser system, transmitter, tripod, rod, receiver (LL200)
- 24-hour Factory Express Service: 1-888-LASERS1 (U.S. only)

The LL200 includes everything you need in a single carrying case: laser, tripod, receiver and rod.

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