

DR400 DigiRod: Advanced Laserometer

The DR400 DigiRod by Spectra Precision is an all-in-one laserometer, distance meter and tilt sensor. The combination was incorporated with contractors in mind to provide accurate excavation depths safely, without the need for construction personnel to reach over an open trench. Using a tripod and laser to establish an elevation, the DigiRod can be set to that elevation. The user can then utilize the DigiRod's laser to pinpoint the position in the excavation to check elevation. The DigiRod's tilt sensor and computer calculate the angle of the beam and compensates to display the vertical distance to the bottom of the excavation. Advantages of using the DigiRod include eliminating human error in checking excavation depths, eliminating fall hazards for employees over open excavations, and decreasing time spent on calculating grades. The DigiRod has been employed to many contractors and is useful on any construction site with excavations.

Spectra Precision DR400 Applications :**DigiRod and Standard Laserometer**

- Excavations
- Foundations, concrete forms and footings
- General grading
- Utilities installation
- Surveying
- Cut/Fill, Direct and Indirect measurements

Laser Distance Measurer/Meter :

- One person, non-contact distance measuring up to 160 feet. (50 meter)
- Estimating
- As-Built Verification

Spectra Precision DR400 DigiRod Key Features :

Built-in Laser Distance Measurer/Meter

Tilt compensation ensures accurate grade readings

Bright laser spot

Multiple units of measure - m / ft / in

Non-contact elevation measurement

Anti-strobe sensor

Extremely portable

5 Year warranty

Spectra DR400 Handheld Laser Distance Measurer/Meter Key Features :

Range up to 160 ft (50 m)

Accuracy of $\pm 1/16$ in (± 2.0 mm)

Multiple units of measure

Large, easy-to-read illuminated display

Spectra DR400 Laserometer Key Features :

Digital readout of elevations

5 On-Grade Sensitivities

Large 5 inch reception height

Simultaneous elevation LED's

DigiRod DR400 User Benefits :

- Check elevations quickly without a grade rod
- Increased accuracy - internal angle compensation system reduces tilt errors
- Eliminates the need to carry, transport or maintain multiple grade rod types
- Increases safety by reducing the need to lean over or go into excavations or trenches
- Works with existing rotating lasers
- Increases productivity by always having the correct rod on-hand
- Eliminates tool marks on screeded concrete
- Simple, large graphical display is easy to see for fast readings
- As a distance meter, make accurate distance readings in difficult to reach areas



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