



Versatile and designed for maximum user convenience, the LS-100D features a digital readout to confidently deliver elevation and vertical alignment control on demand.

It features an extra-wide beam capture sensor that also rejects annoying interference from strobe light exposures. The large and bright LCD displays (front and rear) feature 9-channels of grade information and digitally show the distance to on-grade. By pressing the Hold button, the display is locked so the user can conveniently read the results. For added versatility, three colored LED's and a strong magnet mount are imbedded for vertical operation, ideal for steel erection or operator gradechecking while excavating.

To assist in monitoring the Topcon rotating laser, alert icons appear on the LCD if the instrument is disturbed (HI alert) or when the laser battery is low.

Specifications	
Working Range (diameter)	800 m with the RL-H4C, RL-SV2S, and RL-200 Series
Vertical Detecting Range	90 mm (3.5 in.); (-30 mm to +60 mm) (-1.1 in. to +2.3 in.)
LCD Digital Readout Range	70 mm (2.7 in.); (-20 mm to +50 mm) (-0.7 in. to +1.9 in.)
Horizontal Detecting Range	±45°
Strobe Light Suppression	Yes
Unit	mm / cm / inch / fractional inch
On-Grade Resolution	±0.5 mm (±0.02 in.) ±1.0 mm (±0.05 in.) ±2.0 mm (±0.10 in.) ±5.0 mm (±0.20 in.) ±10.0 mm (±0.50 in.)
LCD Grade Indicators	9 Channels
LED Grade Indicators	Orange, Green, Red (On/Off selectable)
Display	LCD on each side
Buzzer	Loud/Low/Off selectable
Bubble Tube	Yes
Warning Icons	HI Alert, Low Battery (for the RL-H4C, RL-SV2S, and RL-200 Series)
Battery	One AA/LR6 dry-cell battery
Operating Time	Up to 45 hours with alkaline batteries
Battery Level Indicator	LCD icon
Auto Shut-off	Approx. 30 minutes
Dust/Water Rating	IP67 (IEC 60529)
Operating Temperature	-20°C to 50°C
Dimension (l x w x h)	134 x 69 x 25 mm
Weight	190 g (including one AA/LR6 battery)
Magnet Mount	Two round magnets on top
Sensor Holder 100	Screw mount (standard component)

