



PRODUCTS YOU PROFIT FROM

# UNIVERSAL LASER

## Universal Laser UL633N

### The Most Versatile Construction Laser, Ever



RC603N Remote Control

### Key Features and Benefits

- Full control for horizontal level, single or dual grade, vertical alignments or setting out 90° angles- providing the ability to do so much more from one single laser
- Long operating radio range - 490 ft (150 m)
- High precision alignment for grades – align automatically to your grade hub for accurate grade set-ups on X, Y or XY axis simultaneously. Only grade laser on the market that provides the ability to have a second grade axis that can be set from 10° to 170°. For car park set ups or other applications where two grade axes are not at 90°. No need to spend time calculating the set-up just align to the receivers and start working
- **Grade matching** – measures and displays the grade between 2 elevations over unknown ground also simultaneously on two axes
- Precise control for high accuracy applications such as concrete floors – the laser will lock onto the receiver and stay fixed in the on-grade position all day eliminating costly drift caused by temperature fluctuations – **PlaneLok**
- Fast vertical alignment – laser will align either to the receiver or SpotFinder for vertical alignments such as façade installation, building axis alignment or kerbs.
- **Rapid 90° degree layout** – set a 90° angle in seconds with no complex calculations
- Various power options – keeping you working when you need to work
- Intuitive menu driven operation – no secret button pressing, select your mode and start working
- Versatility to fit any construction application providing more value and higher return on your investment – do more with one product

### Applications

- Levelling concrete forms and footers
- Vertical alignment for anchor bolts, building axis, facades and form alignment
- Dual slope grading and steep slope excavation
- Slope work for sports fields, driveways, parking garages and ramps
- Layout of concrete pads and for any job requiring 90° layout outdoors

Part No.	Receiver	Spot Finder SF601	Clamp	Remote
UL633N (546372)	2x HL760	with adapter with rubber strap	Rod Clamps with Bubble Vial	RC603N

All part numbers include transmitter, case and NiMH rechargeable battery pack and charger.





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## UL633N – Construction Tough – Extremely Reliable – Easiest to Use

### UL633N Specifications

- Leveling accuracy<sup>1,3</sup>: ± 0.5 mm/10 m, 1/16" @ 100 ft, 10 arc seconds
- Grade accuracy<sup>1,3</sup>: ± 1.0 mm/10 m, 1/8" @ 100 ft, 20 arc seconds
- Grade temperature drift sensitivity: ± 0,3 mm / 10 m / 1°C; 1/16" @ 310 ft. @ 1°F
- Operating diameter<sup>1,2</sup>: appr. 800 m (2,600 feet) with detector
- Grade range (Y;X): ± 25% both axes (not simultaneously)
- Grade range (Z): ± 25%
- Rotation: 0 - 750 rpm
- Scan mode: 5 preset sizes + variable adjustment
- Laser type: red diode laser 650 nm
- Laser class : Class 3
- Self-leveling range: appr. ± 14°
- Leveling indicators: LCD indications and LED flashes
- Radio range (HL760)<sup>1,2,4</sup>: up to 150 m (490 ft)
- Power source: NiMH battery pack/alkalines
- Battery life<sup>1</sup>: 35 hours NiMH
- Operating temp.: -20°C to 50°C (-4°F to 122°F)
- Storage temp.: -20°C to 70°C (-4°F to 158°F):
- Tripod attachments: 5/8 x 11 horizontally and vertically
- Dust and waterproof: Yes - IP67
- Weight: 3.1 kg (6.8 lbs)
- Low voltage indication: LCD battery indicator
- Low voltage disconnection: unit shuts off
- Warranty: 5 Years

### HL760 Digital Readout Receiver

- Highly versatile receiver for basic and advanced leveling and aligning applications
- Works with UL633N in automatic Axis Alignment, Grade Match and PlaneLok applications
- Key Features:
  - Digital readout of elevation
  - Exact distance from grade displayed
  - Anti-strobe sensor to prevent false reading from jobsite strobe lights
  - Large reception height to ease beam reception
  - Withstands a drop of up to 3m (10ft)
  - Radio communication - works with another HL760 for long range wireless remote display and monitoring capability
- User Benefits:
  - No need to go "on-grade" to measure;
  - Saves considerable time
  - Reduces rework by allowing remote monitoring
  - Increases reliability, accuracy and durability

### RC603N Remote Control Specifications

- Operating range<sup>1,2,4</sup>: up to 150 m (490 ft)
- Power source: 2 x 1.5V AA alkaline batteries
- Battery life<sup>1</sup>: 130 hours
- Dust and waterproof: Yes - IP66
- Weight: 0.26 kg (0.57 lbs)

### Spot Finder SF601 Specifications

- Operating range<sup>1,2,4</sup>: up to 80 m (260 ft)
- Power source: 4 x 1.5V AA alkaline batteries
- Battery life<sup>1</sup>: 30 hours
- Dust and waterproof: Yes - IP67
- Weight: 0.43 kg (0.95 lbs)

### HL760 Digital Readout Receiver Specifications

- Digital readout units: mm, cm, ft, in, frac. in
- Reception height: 127 mm (5 inches)
- Six On-grade sensitivities:
  - Ultra Fine 0.5 mm (~1/32 in)
  - Super Fine 1 mm (~1/16 in)
  - Fine 2 mm (~1/8 in)
  - Medium 5 mm (~1/4 in)
  - Coarse 10 mm (~1/2 in)
  - Calibration Mode 0.1 mm (~1/64 in)
- Battery life (2 x AA): 60+ hours continuous operation
- Auto shut-off: 30 minutes/24 hours
- Operating temp.: -20°C to 50°C (-4°F to 122°F)
- Drop performance: 3 m (10 ft)
- Dust and waterproof: Yes - IP67
- Weight: 0.27 kg (9.5 oz)
- Warranty: 3 Years "No Excuses"

<sup>(1)</sup> at 21° Celsius (70° F)  
<sup>(2)</sup> under optimal atmospheric circumstances  
<sup>(3)</sup> along the axis  
<sup>(4)</sup> Height of instruments typ. 1m (e.g. with tripod)



RC603N Combined Radio/IR Remote Control for all applications



HL760 Digital Readout Receiver to measure and display beam location



SF601 Spot Finder for manual and automatic detection of the plumb beam