



PRODUCTS YOU PROFIT FROM

# PROGRAMMABLE GRADE LASERS

## GL622N

### Versatile Automatic Single and Dual Grade Laser for Level, Grade, and Vertical Alignment



RC602N Remote Control

#### Key Features and Benefits

- GL622N are grade lasers with a compensated grade range of -25% to +25%. Vertical and horizontal setups are also compensated
- Quick setups with the 2-way radio remote control
- Electronic Leveling Vibration Filter dampens vibrations typically experienced on tall tripods, in high winds, or on high vibration jobsites
- Very rugged with low service costs; takes a 3 ft (1 m) drop on concrete
- Mask mode eliminates interference with other crews on the jobsite
- Automatic Axis Alignment (GL622N only) is easy to setup for increased accuracy.
- Radio communication between the laser and HL760 Laserometer allow advanced features and remote display capabilities
- Long operating radio range - 490 ft (150 m)
- Grade Match displays the existing grade over unknown ground and eliminates time consuming and error prone calculations, time spent searching for grade plans, and over excavating
- PlaneLok automatically locks on to an existing elevation or vertical alignment point which eliminates all drift or possibility of error due to improper calibration or weather
- 5 Year "No Cost" Warranty

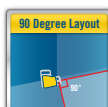
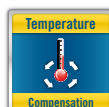
#### General Construction Applications

- Leveling concrete forms and footers
- General construction vertical alignment and plumb such as anchor bolt and form alignment
- "Over the top" sewer and storm drain pipe installations
- Driveways and ramps
- Grading and excavating

#### HL760 Applications

- Trenching
- Remote grade checking with cable free remote display
- Wireless monitoring of foundations and steel erections
- Risk free monitoring of tilt up wall position

Part No.	Receiver	Clamp	Remote
GL622N (541546)	HL760	C70 Adapter for receiver	RC602N
All part numbers include transmitter, case and NiMH rechargeable battery pack and charger.			





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## GL612N/GL622N – Maximum Versatility for Leveling, Grading and Vertical Alignment

### GL612N/GL622N 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
- Operating diameter<sup>1,2</sup>: appr. 800 m (2600 feet) with detector
- Grade range (Y, X-GL622N): ± 25% both axes (not simultaneously)
- Rotation: 300, 600, 750 rpm
- Laser type: 639 nm
- Laser class : Class 2
- 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
- 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 GL612N/GL622N in automatic Axis Alignment (only GL622N), 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
  - "Fingerprint" function of the HL760 DRO receiver only accepts the beam from the laser it is paired with
- User Benefits:
  - No need to go "on-grade" to measure;
  - Saves considerable time
  - Reduces rework by allowing remote monitoring
  - Increases reliability, accuracy and durability

### RC602N 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)

### HL760 Laserometer 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)
- 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)



RC602N Radio Remote Control for all applications



HL760 Laserometer to measure and display beam location