

AGL

GradoPlane 25x Automatic Dual Grade Laser



Fast Automatic Self-Leveling

Advanced, Yet Extremely Simple To Use

Two-Way Remote Speeds Setup and Operation



Advanced Performance, Yet Easy and Efficient to Use

High performance features, long range, and remote capability make the GP25x ideal for precise grade control. It has a unique power system that's very flexible and provides over three weeks of operation.

Fast Automatic Self-Leveling

The GradoPlane 25x levels up fast, even when inputting the maximum 25% grade. Saves time, especially when multiple grade breaks are needed, or when matching an existing slope.



Simple to Use, Even for Advanced Functions

After turning the unit on, there are just four buttons that control all laser functions. Easy, intuitive screen selections allow you to quickly set advanced functions or change the laser setup.

Two-Way Remote Speeds Setup and Operation

Make grade changes from anywhere on the jobsite using the full-function RF remote. Saves time when you're balancing the pad -- use the wireless remote to adjust the laser's grade from the cab and quickly finish the job.

- LCD display and grade and enter buttons are the same as on the laser.
- Automatic shut-off conserves battery power.
- Can select backlit display.

Versatile

Use for site preparation, land-leveling, trenching, road construction, pipe laying, and general construction.

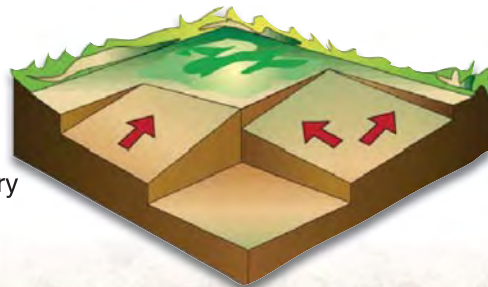


Extend Battery Life

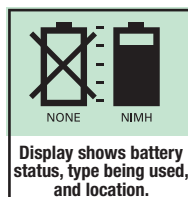
Use the remote to put laser in power-saving Standby mode.

Level, Single, or Dual Grade

Entering grade from -5 to +25% is simple, using direct grade entry or entry by digit.



SEVEN POWER OPTIONS OFFER FLEXIBILITY



Two independent battery compartments accept various combinations of rechargeable packs and alkaline batteries. Unit switches to second battery source when power from the first source is low. Can charge NiMH pack, with no damage to the alkaline batteries in the other compartment.

1



Rechargeable Battery Pack

2



Four "D" Batteries

HI

Beam Masking

Electronically turns off the laser beam in specific quadrants to prevent interference with other crews on the site. Can also use to avoid shining into a roadway or to avoid reflective surfaces which may give a false reading.

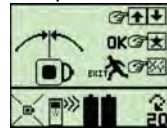


Wind Sensitivity Settings

At highest setting, allows continuous operation during high winds, vibrations, and shocks. Slight movements are ignored and laser self-levels only if significant movement occurs. Lowers the sensitivity but does not decrease the accuracy.

Temperature Compensation

The GradoPlane 25x has an advance design that allows the unit to have the same accuracy over the entire temperature range.

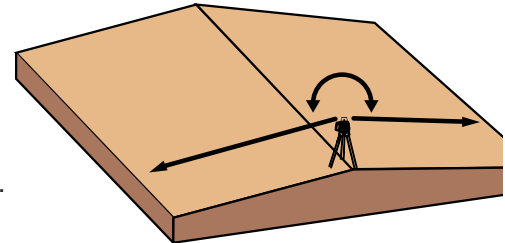
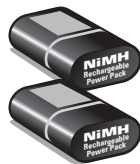
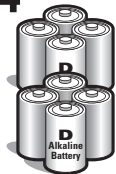


Axis Alignment

Designed to align the axis when critical grades and alignment are important

Grade Reverse on Both Axes

Just push a button. Ideal for road building and other applications.

**3****2 Rechargeable Battery Packs****4****Eight "D" Batteries****5****4 "D" Batteries + Battery Pack****6****AC POWER CHARGER****Runs & Charges Unit****7****12V POWER SOURCE****Optional Power Cord**

LS100 Detector

Included with GradoPlane 25x

- Convenient front and rear displays
- Deadband choices: fine, medium, wide
- Display channels: 11 on LCD; 5 on LED
- LEDs for use in low light or above eye level, or for long range jobs like slope match
- Bubble vial on clamp to plumb rod
- Clamp also fits round or oval rods



Optional Accessories



Alignment Scope

- Attaches magnetically
- Use for alignment of axes and 2nd day setup
- Repeat accuracy of approx. $\pm 2^\circ$ (after align.)

Power Cable

- 3' cable with adapter plug. Use with commonly available power cord to connect to 12V DC source.



EZ-Grade 360 Receiver

- 7 channels of grade information make this an ideal complement for dozers doing fine grading.
- Optional remote display
- Upgradable to automatic control



Automatic Control System

Records survey data; also upgradable to GPS. Includes Model 304 control box with data port and digital display programmable to tenths, inches, or metric; 360° receiver; and PowerMast with mount.



MR360R Receiver & Display

This 360° receiver is ideal for excavators and drag boxes, and features 7 or 9 channels of grade information, a built-in plumb indicator, and a wireless remote clear display that mounts to the window to provide full view of the trench.

GradoPlane 25x Specifications

Operating Range	3,600 ft. (1100m) diameter
Self-leveling Accuracy	$\pm 1/16"$ at 100 ft. (1.5 mm at 30 m, 10 arc secs.)
Self-leveling Range	$\pm 5^\circ$ (manual mode for special applications)
Grade Capability	-5 to +25% in either axis; (-5 to +15% in both axes)
Rotation Speeds	300, 600, 900, and 1,200 rpm
Laser Diode	Visible 635nm, Class 2
Battery Type	"D" alkaline or NiMH rechargeable
Battery Life	8 alkaline — Up to 130 hrs. 2 NiMH Packs — Up to 100 hrs.
Operating Temperature	-4° to 122°F (-20° to 50°C)
Environmental	Waterproof to IPX-7 standard
Dimensions	10.4" x 10.2" x 8" (265 x 260 x 200 mm)
Weight	11 lbs. (5 kg) without batteries
Warranty	Two Year

Remote Control Specifications

Distance	750 ft. (225m) typical
Battery Type	Four AAA alkaline
Size	6" x 2.8" x 1.8" (155 x 70 x 45 mm); 14 oz. (410 g)

GradoPlane 25x laser package includes:

- LS100 detector
 - 1 rechargeable battery pack
 - Remote
 - AC charger
- Package also available without remote. Optional accessories: alignment scope, 12V power cable, and additional rechargeable battery pack.

Machine Control 13 ft. Tripod

- Stable in wind, even fully extended.
- 2" dia. upper legs.
- Adjustable center column.
- Supports 75 lbs.



AGL
CONSTRUCTION LASERS
& MACHINE CONTROL SYSTEMS

Phone: 501.982.4433
Fax: 501.982.0880
Toll Free: 800.643.9696
2202 Redmond Rd.
Jacksonville, AR 72076
sales@agl-lasers.com



www.agl-lasers.com