

AGL

GradoPlane 25

Automatic Dual Grade Laser

Advanced Performance, Yet Easy and Efficient to Use

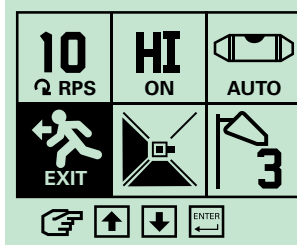
High performance features, long range, and remote capability make the AGL GradoPlane 25 ideal for precise grade control. It has a unique power system that's very flexible and provides over three weeks of operation.

Fast Automatic Self-Leveling

The GradoPlane 25 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



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

Versatile

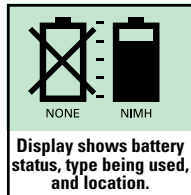
Use for site preparation, machine control, trenching, road construction, pipe laying, and general construction.

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 alkalines in other compartment.



1

Rechargeable Battery Pack

2

Four "D" Batteries

3

2 Rechargeable Battery Packs

4

Eight "D" Batteries

5

4 "D" Batteries + Battery Pack

6

Runs & Charges Unit

7

Optional Power Cord



HI Alert

User can select mode.
Alert on: Laser stops if disturbed, allowing user to recheck unit's height.
Alert off: Laser automatically self-levels.



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.

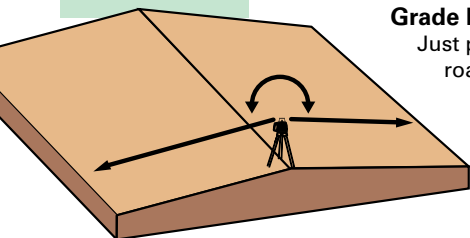


Beam Masking

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.

Grade Reverse on Both Axes

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



GradoPlane 25 Specifications

Operating Range	2,500 ft. (750 m) diameter
Self-leveling Accuracy	± 1/16" at 100 ft. (1.5 mm at 30 m, 10 arc secs.)
Self-leveling Range	± 5° (also 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	Infrared 780nm invisible, Class 1
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	One year

Remote Control Specifications

Distance	200 ft. (60 m) 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 25 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.

LS100 Detector



Included with GradoPlane 25

- 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 second day setups
- Repeatable accuracy of approx. ± 2° (after alignment)



Power Cable

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

Machine Control 13 ft. Tripod

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

Machine Control & Display Systems

EZ-Grade 360 Receiver

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

Automatic Control System

For rough and fine grading. Records survey data; also upgradeable 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 and 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.



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