



GradeLight 2000™

*Three Times Brighter Beam
Than The Standard Pipe Laser*



NEW DESIGN • BRIGHT BEAM • NEW FEATURES

The Contractor's First Choice In Pipe Lasers

- **BRIGHT BEAM & ENHANCED TARGETS** to give the contractors a beam they can see in all jobsite conditions.
- **CORDLESS OPERATION** with an extended battery life. Operates for a week on one charge (approx. 60 hrs.). It takes 8 - 10 hours for a complete recharge cycle.
- **THE MOST ECONOMICAL REPLACEMENT BATTERY** because it can be purchased at local retail stores for approximately \$35. (Approximately \$200 less than other pipe laser's special batteries)
- **RUGGED & RELIABLE** due to it's proven state-of-the-art technology, tough metal housing and accessories.
30 years of experience goes into each GradeLight 2000 HOT™.
- **EASY TO USE** due to friendly controls and interface features like an illuminated pivot point, speed leveling display, auto grade run & line centering. There is also a full range of proven accessories to meet all job conditions.

A. Positive & Negative Grade Display Window.

The grade display is a large and easy-to-read LCD.

B. Azimuth Indicator.

Know where the beam is pointing all the time. Center the GradeLight 2000 HOT™ in the pipe and use the large 20' per 100' adjustment range.

C. Battery Indicator.

Shows the available supply of voltage so you know when its time to recharge.

D. "SpeedLevel" Electronic Self-leveling.

The three-light "speedlevel" display lets you quickly adjust the unit into the optimum self-leveling range in seconds. This speeds setup time.

E. Lighted Cross-Axis Rough Level Vial.

Enables the user to quickly rough level the GradeLight 2000 HOT™ in the cross-axis. Lighted for visibility in dark setup conditions.

F. Rear Carrying Handle.

Ideal for attaching to tethers for lowering into manholes. It folds out of your way when laser is set.

G. Illuminated Azimuth Pivot Point.

A bright green LED indicates line (azimuth) pivot point and is easily seen in dark setup conditions.

H. Sightline Hook.

Used with the string alignment technique. (Comes standard with the laser.)

I. Self Centering Height Adjustable Legs.

Three independently adjustable legs give the GradeLight 2000 HOT™ unmatched versatility for in-the-pipe set-ups. The adjustable legs center the beam in 8" to 12" (200mm to 300mm) pipe. Remove the legs to setup in 6" (150mm) pipe.

J. Grade Axis Pivot Point.

Located on each side of the laser. Gives you a reference of the lasers grade pivot point.

K. Beam Exit.

The beam exits through the center of the housing. This makes setup on centerline easier and quicker.

L. Attached Lens Cover.

Protects the lens from scratches. It is permanently attached.



Easy to Operate!

AGL continues to make the best pipe laser in the world even better. The advanced GradeLight 2000 HOT™ has features that have been added for the contractor. Contractors have asked for faster and simpler alignment and setup. We believe we have answered the call with these new features.

Brighter Beam

The GradeLight 2000 HOT™ has a beam output 3 times brighter than standard pipe lasers. The brighter beam can be seen under all jobsite conditions.

NEW Design

The angle of the rear bezel allows ease of viewing, and still protects the display from falling objects.

Tough!!

Rugged, ditch tough aluminum housing. Water-proof and purged with dry nitrogen. The GradeLight 2000 HOT™ is designed to be ditch tough based on over 30 years of manufacturing pipelasers. Compare the GradeLight 2000 HOT™ to other units and you will see the value.



Automatic Line Centering

Press both azimuth switch pads simultaneously and the beam automatically returns to its center of line adjustment.



Automatic Grade Run



Press either the positive or negative grade switch pad. Hold for a few moments and release. The grade will continue in the selected direction until you press either grade switch pad again. No more holding the grade switch pad until the desired grade is reached.



Automatic Zero Grade Set



Press the positive & negative grade switch pads simultaneously to automatically return the grade back to 0%.



Replacement Battery



Long Leg Set
for 15" to 24" pipe



Autoline Remote



New Targets

AGL's durable pipe targets have a special red coating that enhances the already bright beam to it's maximum luminosity.

Auto-Target™ Second Day Alignment

The NEW GradeLight 2000™ Auto-Target™ is ideal for second-day alignment. Simply activate the target and set it on centerline.



The GradeLight 2000 locks on to the pipes' centerline.



Above Ground Alignment

The HOT beam in the GradeLight 2000 HOT™ is bright enough to shoot above the ditch with excellent visibility.

The AGL Special Transit

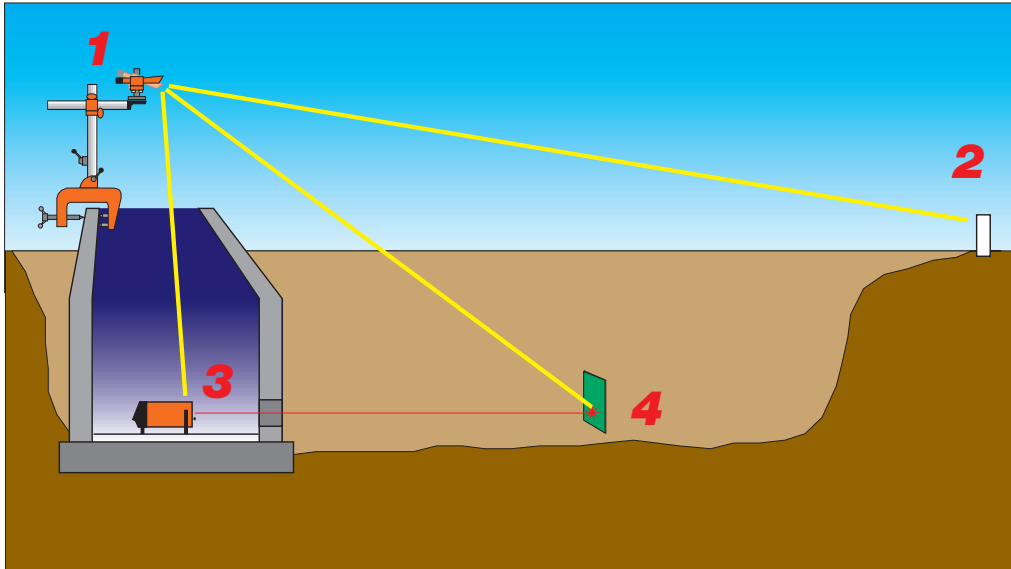
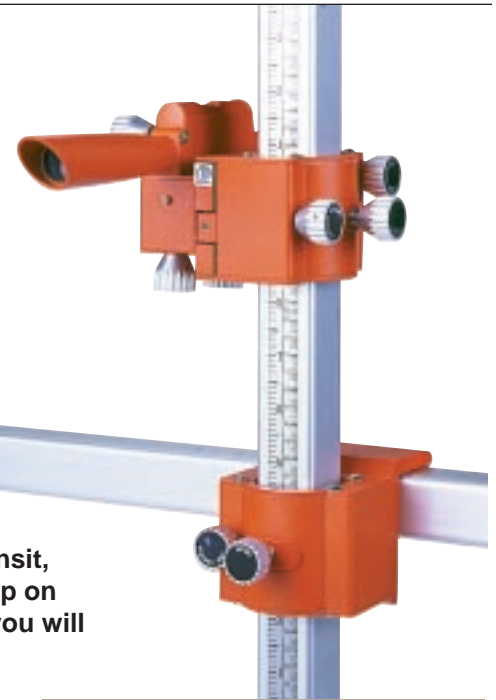
Alignment problems got you frustrated? Let AGL's Special Alignment Transit decrease your setup time and increase the accuracy of your alignment process in setting up your NEW GradeLight 2000 HOT™.

It's simple: 1. Set the AGL Special Transit roughly on line over the GradeLight 2000 HOT™ using either the Rod & Cross Brace or the Manhole Clamp (Available from AGL). 2. Rough align the AGL Special Transit to the forward manhole center and adjust (left/right) the vertical crosshair using the designated fine adjust knob on the transit. 3. Tilt the transit downward pointing at the GradeLight 2000 HOT™ and adjust (left/right) the vertical crosshair to the green centerline LED on top of the laser. 4. Tilt the special transit to roughly intersect the laser beam hitting in the end of the ditch. Using the GradeLight 2000 Autoline, adjust the laser beam (left/right) until it intersects the vertical crosshair.

This process will eliminate crossing errors due to misalignment and its easy and fast to use.



By using the AGL Special Transit, you will save time in setting up on centerline. This also means you will save money!!



SPECIFICATIONS GRADELIGHT 2000 HOT™

Power Pack

60 Hrs. (normal operation)

Recharge Time

8 - 10 hours

Grade Range

Std. Model: +40% to -10%
Special Model: +25% to -25%

SL Range

±5.7° (±10%) grade axis

Cross Axis

±3° (±5%) cross axis

Azimuth Range

20' @ 100' (6m at 30m)

Pivot Point

Yes, Green LED

Dimensions

5.19" d x 8.5" L (12.7cm x 21.59cm)
w/Power Pack, 5.19" d x 11-1/3" L
(12.7cm x 28.9cm)

Weight

6 lbs., 4 oz. (2.72 kg)
w/Power Pack, 9 lbs., 12 oz. (4.54 kg)

Operating Temperature

0° F (-18° C) to 120° F (50° C)

Waterproof

Yes, purged with dry nitrogen

Rough Level Indication

Grade - 3 Light SpeedLevel display

Cross Axis - lighted level vial

Line Indication

Lighted indicator on control panel

Control Panel

Tactile feedback, integrates line, grade, and low battery indicator

Beam

Visible Laser Diode, 635nm

Beam Accuracy

±10 arc seconds = 1/16" per 100 ft.

Grade Accuracy

±.005%

AUTOLINE REMOTE

Battery

4 "AA" Alkaline Cells

Battery/Operation Indicator

Red LED on front panel



AVOID EXPOSURE: Laser light is emitted from this aperture