



LASER

TOOLS CO., INC.

SOLAR ENERGY INSTALLATION SYSTEM

**with GLX350-10 Green Laser
Technology™ Alignment Laser**

The Solar Energy Installation System™ produces a green laser beam 30 times brighter in sun light making solar panel installation easier and much more precise. The Model GLX350-10 Green Laser Technology™ alignment laser uses 520 nanometer green laser light to project a dot with 1/8" accuracy at 100'. When used with Model AP90C Beam Bender™, two laser beams can be created; one concentric to the laser's brass case for outlining the array on a roof's pitch and another 90° beam used to determine crossbeams. When mounted to the AP1000 Tripod Leveling Adaptor Plate, an overall visible range of 1000' is offered. This makes ground panel installation more efficient and less timely.



Green Laser Technology™ – 30 Times brighter in sun light

"O" Ring Sealed – Dust and Waterproof Case

Battery Powered – AA Alkaline Duracell batteries can be replaced as needed with no Service Support

3 Tier Leveling™ – Horizontal Degree Scale, Vertical Micrometer, .1 Degree Vernier along with a magnified 30 min of arc level vial

Long Distance Alignment – Green laser dot can be seen over a 1,000'

Secure Mount – Two clamps secure tool with a magnetic dovetail base

Beam Bending Options – Model AP90C; 90° Beam Bender™, Model AP180C; 360° Beam Spreader™ that generates a line for reference between two points

Solar Energy Installation Kit includes:

GLX350-10 – Green Laser Technology™ Brass Alignment Tool

AP351 – Set of 1" Diameter Clamps

AP1000 – Tripod Leveling Adapter Plate

AP353A – Magnetic Dovetail Mounting Base Plate 5" Long

AP46 – Foam Filled, Hard Shell Carrying Case - 24" x 10" x 12"

Specifications:

– 520 nm, Class IIIa Diode Laser, IEC 3R

– <5 mw Maximum Output

– Power: 6 Size "AA" Alkaline Batteries

– Battery Life:> 30 hours continuous use

– Range: >1000 ft.

– Dimension: Length 17" (43.18cm) x Diameter 1" (2.54cm)

– Weight: 3 lbs

**AVOID
EXPOSURE**
Laser radiation is emitted
from this aperture

DANGER

LASER RADIATION
Avoid direct eye exposure
Maximum Output Power
Class IIIa Laser Product

ORDER NOW (800) 598-5973



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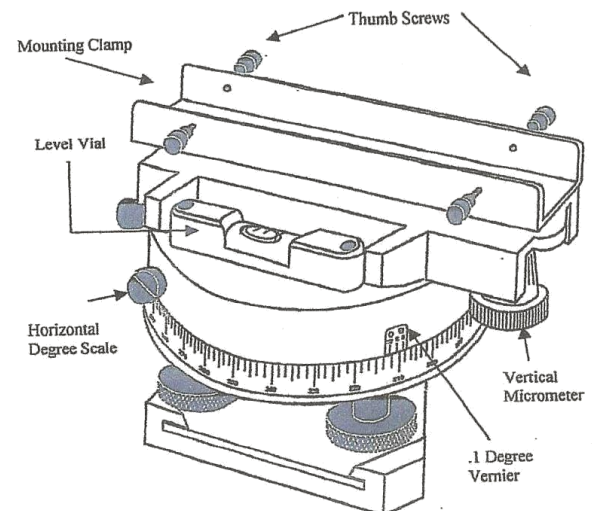


AP 1000 Operating Instructions

The AP1000 Transit Adapter provides a premium leveling support for use during horizontal and vertical layouts. The horizontal scale is marked in 360 degree increments and includes a .1 degree Vernier scale for fine azimuth adjustments. The vertical adjustment is a precision micrometer that provides 1/16" resolution @100 feet for slope and grade positioning. One complete revolution of the vertical micrometer in either direction is equal to 1% of grade change.

How to use to AP1000 Transit Adapter: Mounting Clamp

- Mount the AP1000 to a construction grade tripod with a 5/8" - 11tpi mounting thread.
- Level the bubble on the AP1000 Transit Adapter by positioning the bubble parallel to two of the leveling feet and adjusting either or both of the leveling feet to bring the bubble to center. Rotate the top plate 90 degrees in either direction (the level vial should be in line with the third leveling foot) and center the bubble within the vial by adjusting the third leveling foot.
- Repeat step 2 until the bubble stays centered in both positions. The bubble should now stay centered when the top plate is turned to any position.
- Mount the laser level to the AP1000 Mounting Clamp, position the laser level over the third leveling foot used in step 2 above and adjust the vertical micrometer so the bubble within the laser level reads level.
- Swivel the laser level 180 degrees and check the bubble. If the bubble is slightly out of level, adjust the vertical micrometer to bring the bubble half-way to center and then adjust the third leveling foot to bring the bubble completely to center. In other words, adjust each half of the error with the vertical micrometer and third leveling foot respectively.



Note: The zero mark on the vertical micrometer scale won't necessarily line up with the index mark after the laser is leveled. Just note the number position on the micrometer for a "Home" level reference and work from there.

How to Operate the AP1000:

The horizontal degree scale is read using the 0 degree graduation mark on the .1 degree Vernier scale as the index mark for the horizontal degree scale.

The .1 degree Vernier is used by adjusting each progressive .1 (0-10) degree index mark to the next full degree mark on the horizontal azimuth ring. Precise positioning is obtained by locking the top plate to the stationary bottom plate with the locking knob then using the fine horizontal adjustment knob (tangent screw adjustment).

The vertical micrometer is designed so that one complete revolution of the micrometer is equal to 1% of grade change. Each increment of the micrometer is equivalent to a 1/4" change at 100 feet. The total adjustment range is approximately +/- 5 degrees of angle.

Manufactured by:

Laser Tools Co., Inc.,
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LED Strobe

Industrial
Alignment
Lasers

Custom
Crosshair
Generators

Sheave
Alignment
Systems

Laser
Precision
Levels

Mining Laser
Systems