

GL3000PMT-S

Long Range Alignment Laser

**Tunneling • Mining • Offshore Dredging • Conveyor Alignment
or Anything Requiring Centerline Control**

Vertical lock with
"compression shoe"
tightening-stays in place

IP68 Rated, waterproof,
purged and filled with dry
nitrogen, hard coat anodized
aluminum housing.

Ultra-fine 64 pitch
vertical adjustment

4.75mW **GREEN** laser with
special optics for maximum
brightness and range

Horizontal lock with
"compression shoe"
tightening knob
(Not shown)

Ultra-fine 64 pitch horizontal
adjustment coupled to
tapered bearing for smooth
and precise line adjustment

Laser mounts to any flat
surface with a 5/8 x 11
standard bolt or optional
tribrach adapter

Ultra-stable built-in base for
laser with dual vertical axils
for maximum stability.

- ✓ Highly visible 4.75mw green laser
- ✓ Laser spot is fixed focused to infinity for maximum range
- ✓ Stable and accurate performance
- ✓ Field friendly, easy to use

The **GL3000PMT-S** was designed for long range alignment applications and is a modular or “building block” design that allows the laser to be upgraded from its basic form. This enables the contractor to configure the laser based on the specific application and jobsite needs.

GL3000PMT-S FEATURES

- The GL3000PMT-S laser beam is fixed focused to infinity. This provides the smallest possible spot over the longest possible distance.
- High power 4.75mw of power assures you more range to target area, even in adverse weather or when shooting through a series of forward targets.
- Ultra-fine horizontal and vertical fine adjust with 64 pitch thread for fast and precise alignment set ups.
- The GL3000PMT-S is designed to accept a tribrach. This is especially beneficial when “leap frogging” to forward points in tunnel work.
- **Tunnel Work** - The GL3000PMT-S has three times the range (spot brilliance and quality) thus, reducing the need to move the laser forward.
- **Marine Work** - It translates to much greater visibility in adverse weather conditions. ****Contact Factory for marine alignment configuration.***



Front View



Side View



Rear View

Specifications

Laser Wavelength: 515-520nm

Laser Power: 4.75mW

U.S.A: ‘Class IIIa’ in the U.S. under US FDA/CDRH 21 CFR, part I, Subchapter J, sections 1040.10 and 1040.11

This product is ANSI Z136 compliant and should be operated under the terms of ANSI Z136.1 (Visit www.ANSI.org or www.lia.org for more in-depth information)

Operational Life: 20,000 hrs. MTBF

Operating Temperature: -40°F to 122°F (-40° to 50°C)

IP68 Rating: Hermetically sealed, waterproof (Purged and dry nitrogen filled)

Power Source: 12 or 24 vdc

Power Draw: 0.2A at 12vdc in

Reverse Polarity and Spike Protected
Over Temperature Protection Circuit

Dimensions:

Length: 6”-1/8

Width: 5” 1/2

Height: 7”-3/8

Weight: 3.65 lbs.



Package Includes



GL3000PMT-S



Carrying Case



15ft Power Cable



Owner's Manual

Optional Accessories



1



2

3



1 Tribrach Adaptor (Optional) 2000-0620

Must be used in conjunction with Optical Plummet Tribrach.

2 Optical Plummet Tribrach (Optional) 2000-0630

Features a universal 5/8 x 11 base plate thread. The range of the optical plummet is 1.5 feet to 50 feet. (0.5m to 15m) The circular level vial has a sensitivity of 10 minutes (2mm)

3 Power Converter (Optional) 1140-3

Converts 110 or 220 VAC to 12VDC. The 1140-3 converter is internally protected from short circuits and overloads. Resets automatically. (No fuses or circuit breakers)

Laser Spot Size Chart

Distance	Diameter
100 ft. (30.48m)	0.85" (2.15cm)
200 ft. (60.96m)	0.75" (1.90cm)
500 ft. (152.4m)	1.0" (2.54cm)
700 ft. (213.36m)	1.25" (3.17cm)
800 ft. (243.84m)	1.75" (4.44cm)
1,000 ft. (304.8m)	2.0" (5.08cm)

*NOTE—Atmospheric conditions can negatively affect range and spot

Warranty: 12 Months Parts and Labor