



Probe+ Diode Lasers

**GAMMEX GLD 250 SAGITTAL
GAMMEX GLD 450 CROSSHAIR**

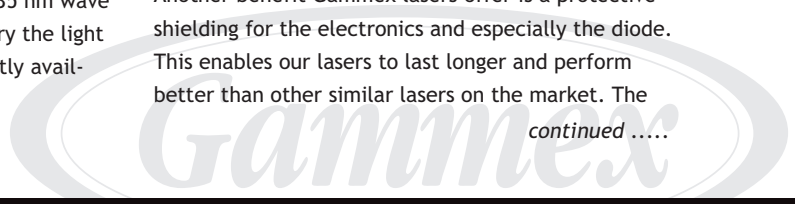
The Gammex Probe+ lasers are designed with a 160 degree turret rotation. Often, existing architectural configurations limit sites from installing traditional lasers, but with the Gammex Probe+ difficult room designs are no problem. Our unique and proprietary thermal design of the Probe+ series ensure users of no visible "drift". Vertical and horizontal adjustments allow for angular and planar movement making the Probe+ system easy to install.

The Probe+ laser alignment systems use a 635 nm wavelength laser light and built-in controls to vary the light intensity. Most of the diode products currently avail-

able for patient alignment are in the 650 to 670 nm range. Because of the optical response of the human eye, the Probe+ line is perceived as four times as bright as the 670 nm, and two times as bright as the 650 nm. The 635 nm yields essentially the same brightness that you can obtain with our helium neon (HeNe) lasers. The Probe+ also allows a variable intensity control that allows you to adjust the laser brightness based on the room lighting conditions.

Another benefit Gammex lasers offer is a protective shielding for the electronics and especially the diode. This enables our lasers to last longer and perform better than other similar lasers on the market. The

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LASER ALIGNMENT

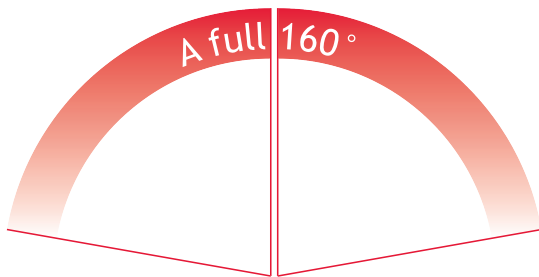


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Probe+ series also have the same width base plate as the Exact-Align system so it can be retrofitted to existing turret laser installations with no modifications. This makes conversion from the HeNe systems to the Diode systems cost friendly and easy.

The Probe+ diode laser has a 0.5 mm line at a distance of 2 meters. Complete documentation on laser beam profile is included with each Probe+ diode alignment system.

The standard Probe+ Diode laser utilizes an external power supply adaptable for international use. The Probe+ Diode laser system is easy to repair and maintain.



The Probe+ Diode Laser can be adjusted a full 160° to accommodate the most challenging room installations

SPECIFICATIONS

Laser Beam Output

- Power 0.5 mW (each beam)
- Range Up to 6.0 m
- Line Width <0.5 mm @ 2 m
- Line Divergence (Length). 15-17°
- Drift No measurable drift
- WaveLength 6350 Å (635 nm) visible red
- Visibility Clearly visible in strong ambient light

Laser Beam Adjustment

- Horizontal Range of Vertical Projection 330.2 cm @ 3.05 m
- Vertical Range of Horizontal Projection Plus 100 cm /minus 300 cm @ 3 m
- Line angle adjustment range ±180 degrees
- Mounting Turret adjustable to ±80°

Laser Dimensions

- Length. 17.3 cm (6.75 in)
- Width 14.0 cm (5.5 in)
- Depth 8.0 cm (3 in)
- Weight. 1.8 kg (4 lbs)
- Power Requirements . . . 12 VDC, 300 mA

Universal Power Supply

- Power Requirements . . . 110 VAC - 220 VAC, 50 - 60 Hz, 0.4 A
- Laser unit includes various adapters for U.S. and international use.

Certification

Complies with Center for Devices and Radiological Health regulations for Class II Lasers.

Warranty

Lasers carry a one year warranty. Extended warranty available.



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