



Probe Diode Lasers

GAMMEX GLD 200 SAGITTAL

GAMMEX GLD 400 CROSSHAIR

The Probe diode laser offers an alternative technology to the standard HeNe lasers.

The Probe meets all of the specifications of the Exact-Align turret laser. This means that all of the existing features of the turret laser are now available in this more convenient and compact size. It also has 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.

Most of the diode products currently available for patient alignment are in the 650 to 670 nm range. The Gammex Probe diode laser utilizes a 635 nm diode.

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.

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 Probe also features a variable intensity control that allows you to adjust the laser brightness based on the room lighting conditions. The Probe Diode laser is provided with a 110 VAC to 12 VDC power supply.

continued

Gammex



GLD 200 SAGITTAL, GLD 400 CROSSHAIR

LASER ALIGNMENT

SPECIFICATIONS

Laser Beam Output

Power <0.5 mW (each beam)
Range Up to 6.0 m (20 ft)
Line Width <1.0 mm @ 3 m
Line Length >0.61 m @ 3 m
Drift No measurable drift
WaveLength 6350 Å (635 nm) visible red
Visibility Clearly visible in strong ambient light
Intensity User adjustable to desired levels

Laser Beam Adjustment

Horizontal Range
of Vertical
Projection 330.2 cm (130 in) @ 3.05 m (10 ft)
Vertical Range
of Horizontal
Projection Plus 102 cm/minus 305 cm @ 3.05 m
Line angle
adjustment
range ±180 degrees
Mounting Turret adjustable to ±45°

Laser Dimensions

Length 16.51 cm (6.5 in)
Width 13.7 cm (5.4 in)
Depth 7.3 cm (2.9 in)
Weight 1.8 kg (4 lbs)

Power

Requirements 12 VDC, 300 mA
Optional
Power Supply 110/220 V (67A400CE)

Certification

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

Warranty

Lasers carry a one year warranty.
Extended warranty available.

