



CT Sim Robotic Laser Tracking Systems

GAMMEX A4000A AND A4100G

GAMMEX A4000A-PC-SYS 2 AND A4100G-PC-SYS 2

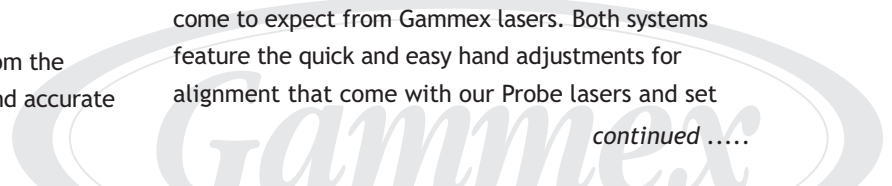
The Gammex A4000A and A4100G CT Sim Robotic Laser Tracking Systems consist of two fixed side-wall lasers and one overhead laser with a movable sagittal line. The sagittal laser provides precise position in one dimension (x axis) and relies on the CT scanner couch motion for positioning in the second and third dimensions (Y and Z axes). All vital features of the CT Sim Robotic Laser Tracking System can be controlled by a remote pendant, or by using the workstation in our PC-SYS 2 systems.

Gammex lasers accept export coordinates from the treatment planning systems, allowing easy and accurate

movement for location marking. Your choice of Gammex Probe+ red diode or ProbeG green diode lasers can be used for the fixed sidewall lasers and feature a wide-view turret profile that allows mounting on angled walls. The ProbeG green laser provides enhanced contrast on various skin tones, and its unique design incorporates power stabilizing circuitry that extends diode life.

The Probe+ (red) and ProbeG (green) lasers that are integrated into the A4000A and A4100G respectively provide the precision optics and reliability you have come to expect from Gammex lasers. Both systems feature the quick and easy hand adjustments for alignment that come with our Probe lasers and set

continued





A4000A, A4100G, A4000A-PC-SYS 2, A4100G-PC-SYS 2

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LASER ALIGNMENT

us apart from the competition. Gammex is proud to boast zero drift on all of our systems.

Gammex was there in the beginning and we're leading the way into the future. In an industry where precision is a must, let Gammex light the way.

A4000A and A4100G systems include:

- One moving laser (choice of red or green diode)
- Two fixed side-wall lasers (choice of red or green diode)
- CT Sim software package
- Hand-held pendant
- CT Sim alignment phantom
- Software manual, calibration kit, controller box and all necessary cabling

A4000A-PC-SYS 2 and A4100G-PC-SYS 2 include:

- All items listed with the A4000A and A4100G plus Gammex approved desktop computer, 17 in flat panel LCD monitor.

SPECIFICATIONS

Laser Beam Output

Power <1.0 mW (each beam) Laser Class II
 Range 3 m
 Line Width <0.8 mm wide at 3.0 m
 Line Length 1.0 m at 3.0 m
 Drift no measurable drift
 Wavelength Red. . 6350 Å (635 nm) visible red
 Wavelength
 Green 5320 Å (532 nm) visible green
 Visibility visible even in strong ambient light

Laser Beam Adjustment

Length of travel . . 70 cm
 Accuracy of travel ±0.5 mm at 3.0 m
 Positioning
 accuracy ±0.5 mm at 3.0 m

Laser Dimensions

Laser Unit
 (Moving). 112x21x9 cm (44x8.25x3.5 in) (HWD)
 Probe+. 17.3x14x8 cm (6.8x5.5x3 in) (HWD)
 ProbeG 27x14x8 cm (10.6x5.5x3 in) (HWD)

Power Module . . . 42x21x9 cm (16.6x8.25x3.2 in) (HWD)
 Voltage
 requirements . . . 110/240 VAC

Certification

Complies with Center for Devices and Radiological Health regulations for Class II lasers and all CE requirements. (21 CFR 1040) (IEC 60825-1) (MDD 93/42/EEC).

Warranty

Lasers carry a one year warranty. Extended warranty available. Computer and peripherals carry the original manufacturer's warranty only.

Minimum Requirements - Computer

Gammex CT Sim Systems have specific hardware and software requirements. For ensured compatibility, Gammex recommends the purchase of the complete CT Sim system. The CT Sim software has been validated using the computer and flat screen monitor provided with the complete system. Compatibility with user supplied computers is not warranted. Call your Gammex sales representative for more information.