



Fiber Optic Back Pointer Laser System

GAMMEX A176A AND A177A

The Gammex Fiber Optic Back Pointer defines the exit point of the radiation beam when used with Gammex therapy lasers. The Gammex Back Pointer projects a single line which intersects the side light, defining the exit point on the patient's body. This can save the patient and therapy center time, while ensuring the most accurate patient positioning possible. The A176A provides a standard line, and the A177A provides a longer line which is beneficial if the couch is moved up, losing the intersecting point.

Designed to be used with the Gammex Ther-A-Cross "X" or Tri-Flex wall mounted laser systems, the Fiber Optic Back Pointer can be adapted for use on all therapy equipment. With this fiber optic system, the laser

generator can be mounted at any convenient location, even remote sites, but often inside the gantry of the therapy machine. The laser light is piped through a flexible fiber optic cable to a compact projection head that is easily mounted on or in the radiation therapy unit. Clearance is not a problem because of the small size of the output head. The cable and optical heads carry no electrical power and will not interfere with other equipment.

The optical head projection defines a plane containing the axis of rotation and the radiation source. The intersection of this plane and transverse plane (created by lateral and overhead lasers) is the radiation exit axis. The exit axis is quickly and easily defined with a Fiber Optic Back Pointer.

continued



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LASER ALIGNMENT

continued from front...

SPECIFICATIONS

Fiber Optic Back Pointer A176A

System Components

- One single beam output head
- One laser generator
- One fiber optic cable

Laser Beam Output

- Power Less than 1.0 mW
- Range Up to 3.05 m
- Line Width 1.0 mm @ 1.22 m
- Drift 0.12 mm @ 1.22 m maximum
- WaveLength 6328 Å (632.8 nm) visible red
- Visibility Clearly visible in strong ambient light

Laser Beam Adjustment

- Central ray. 50°

Output Head 34A111A

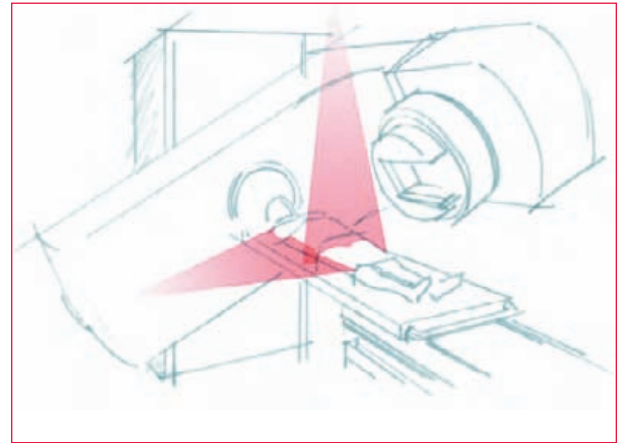
- Length. 6.6 cm
- Width 5.8 cm
- Depth 1.6 cm
- Weight. 85 g

Laser Generator 30C300A

- Length. 31.0 cm
- Width 14.0 cm
- Depth 7.4 cm
- Weight. 2.7 kg
- Power
- Requirements 115 or 230 VAC, 50/60 Hz, 25 W

Fiber Optic Cable 30A116A

- Length. 4.90 m is standard; Shorter or longer lengths available on request.
- Diameter 0.38 cm
- Flexibility. Minimum bend radius 5.1 cm



Typical fiber optic back pointer installation

Fiber Optic Back Pointer A177A

Output Head 34A108A replaces 34A111A to provide a longer line.

- Length. 6.6 cm
- Width 5.8 cm
- Depth 1.6 cm
- Weight. 85 g

Certification

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

Warranty

Lasers carry a one year warranty. Extended warranty available.