



Basic solution

Data Sheet

DORADO 1

Manually adjustable movable laser system for patient positioning at CT/PET-CT

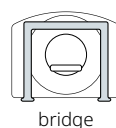
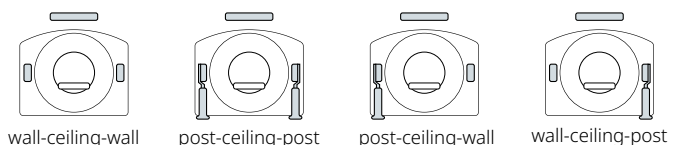
Features

- Optimal to mark a reference point at the patient.
- Precise with a positioning accuracy of ± 0.1 mm and a projection precision of ± 0.5 mm at a distance of 4 m.
- Reliable due to the failsafe system, an independent double position check which ensures that lasers only turn on if they are in the correct position.
- Practical laser adjustment via Allen® key: Focus, rotate, tilt or shift the lasers as needed.
- Aesthetic for your room situation: Install your lasers safely, practically and aesthetically with the optional accessories.

Configuration

- DORADO 1 laser system, consisting of one movable ceiling rail and two ASTOR crosshair lasers, projecting a movable sagittal, fixed coronal and transversal line to mark the patient in all three body planes.
- Laser color: red

Mounting options



Laser

Dimensions devices (L × W × H)	Wall: 182 × 86 × 93 mm 7.2 × 3.4 × 3.7 "
	Ceiling: 1553 × 143 × 109.5 mm 61.1 × 5.6 × 4.3 "
	Post: 1012–1512 × 225 × 167 mm 39,8–59,5 × 8,9 × 6,6 "

Dimensions bridge (L × H) (Customized)	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 "
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Weight	Wall: 1.4 kg
	Ceiling: 23 kg
	Post: 15 kg
	Bridge: approx. 100 kg

Power supply	100–240 V AC, 50–60 Hz
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Power supply (internal)	24 V DC
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Laser color	red (638 nm)
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Focusable range	1–4 m
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Line length at 3 m distance	>3 m
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Line width up to 4 m distance	<1 mm
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Travel range	700 mm
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Travel speed	up to 200 mm/s
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Positioning accuracy	±0.1 mm
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Projection precision	±0.5 mm up to 4 m distance
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Ambient conditions	35–80 % rel. humidity, non-condensing
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Operating temperature	15–30 °C
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International protection rating	IP 20
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Approved

A CE conformity assessment according to the European Medical Device Regulation MDR – (EU) 2017/745 was carried out successfully. The device is listed in the FDA Medical Devices Database and legally marketed in the USA.

Laser class	2
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Laser power	<1 mW
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Scope of delivery

- 1 ceiling rail with one movable laser for display of sagittal line and one fixed laser for display of transverse line
- 2 wall/post ASTOR crosshair laser to display transverse and coronal lines
- Cable set consists of power cords and data cable
- WILKE Phantom for quality assurance
- 12 months standard warranty

LAP GmbH Laser Applikationen

Zeppelinstr. 23

21337 Lüneburg

Germany

P +49 4131 95 11-95

E info@lap-laser.com

CARINAnav

The associated control system for intuitive laser steering. Find out more:



Accessories

Optional accessories available, please refer to accessory overview:

