

### **Data Sheet**

## **DORADO 3**

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

#### **Features**

- Flexible as all patient marking workflows can be applied. The patient is optimally prepared for treatment or a further MRI scan.
- 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.

#### Configuration

- DORADO 3 laser system, consisting of one ceiling and two wall/post rails with fixed and movable lasers, projecting a movable sagittal and coronal and fixed transversal line to mark the patient in all three body planes.
- Laser color: red

#### **Mounting options**









wall-ceiling-wall

post-ceiling-post

post-ceiling-wall

wall-ceiling-post



#### Laser

Dimensions devices (L × W × H)	Wall/ceiling:	1553 × 143 × 109.5 mm 61.1 × 5.6 × 4.3 ″
	Post:	1727.5 × 225 × 164 mm 68 × 8.9 × 6.5 ″
Dimensions bridge (L × H) (Customized)	2594–5000 × 2300–2800 mm 102.1–196.9 × 90.6–110.2 ″	
Weight	Wall/ceiling: Post: Bridge:	23 kg 24 kg approx. 100 kg
Power supply	100-240 V AC, 50-60 Hz	
Power supply (internal)	24 V DC	
Laser color	red (638 nm)	
Focusable range	1–4 m	
Line length at 3 m distance	>3 m	
Line width up to 4 m distance	<1 mm	
Travel range	700 mm	
Travel speed	up to 200 mm/s	
Positioning accuracy	±0.1 mm	
Projection precision	±0.5 mm up to 4 m distance	
Ambient conditions	35–80 % rel. humidity, non-condensing	
Operating temperature	15–30 °C	
International protection rating	IP 20	
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	
Laser power	<1 mW	

## 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 rails, each with one movable laser to display the coronal lines and one fixed laser for display of transverse lines
- Cable set consists of power cords and data cable
- WILKE Phantom for quality assurance
- 12 months standard warranty

#### **CARINAnav**

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



#### **Accessories**

Optional accessories available, please refer to acessory overview:



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