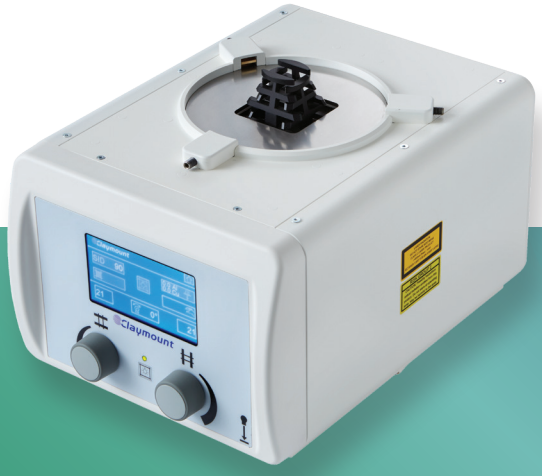
OPTICA™ 40
MOTORIZED COLLIMATOR

VAREX IMAGING



OVERVIEW

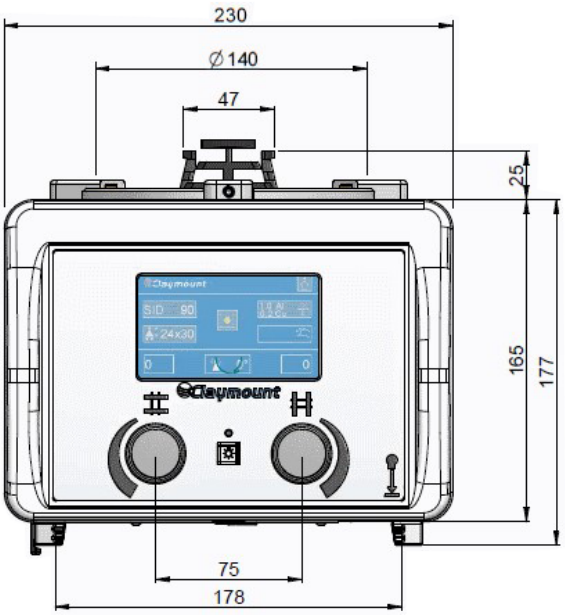
The Optica™ 40 is a motorized collimator for integration with radiography and fluoroscopy systems. The collimator is controlled with the front knobs or remotely through its CAN-bus. A large touch-screen LCD display shows the X-ray tube tilting angle, selected beam filtration and field size with a given SID.

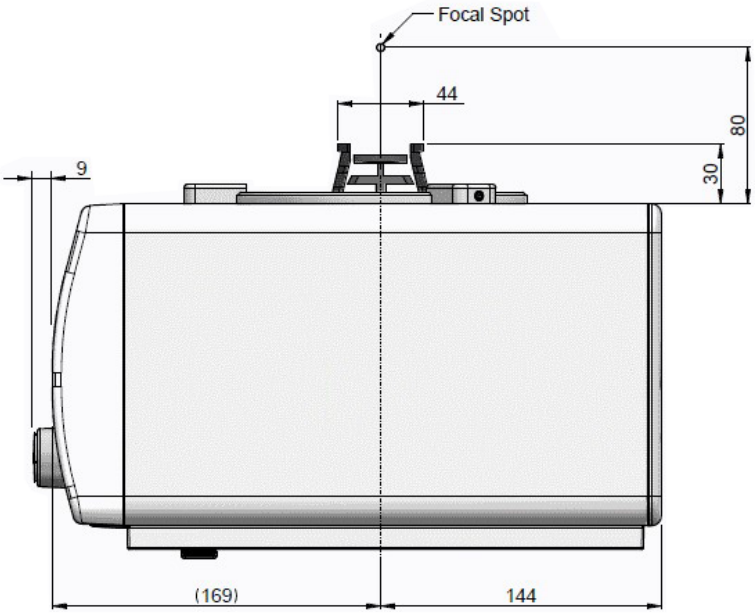
The Optica 40 is equipped with a long-life power LED that projects a bright light field on the exposed area. Aligning the detector under the X-ray beam is made easy with a center laser line.

The beam filtration is possible with the optional motorized filter module. No filtration or three different aluminum plus copper combination filtrations are available. Shutter calibration and customization of user settings are easily performed through the software menu, accessible via the display.

APPLICATIONS

- Stationary X-ray equipment for radiography and fluoroscopy up to 150 kV tube voltage.





OPTICA 40

Technical Specifications	
Application	Stationary X-ray equipment for radiography and fluoroscopy up to 150kV X-ray tube voltage.
Shutters	Multilayer, 4 pairs of shutters in 2 layers.
Mode of operation	Manually or remote control (both motor-driven)
Collimation	Rectangular field Min. 00 x 00 cm Max. 48 x 48 cm at 1m SID
Attenuation equivalent IEN-IEC 60601-1-3:2008	1.2 mm Aluminium at 75kV
Added filtration (optional) IEC 60601-1-3; §3.3 / §7.3 / §7.5	2 additional motor driven filters, manually selectable or by CAN-bus. Selectable filter combinations: • No added filtration • Filter 1 =1 mm Al + 0.1 mm Cu • Filter 2 =1 mm Al + 0.2 mm Cu • Combined: 2 mm Al + 0.3 mm Cu
Remote comm.protocol	CAN bus
Bucky center line laser EN-IEC 60825-1	Class 1 laser
Light source	Power LED, white with adjustable illuminance..
Light field timer	Adjustable timer. Factory setting: 20 seconds
Light field illuminance IEC 60601-2-54; §203.8.102.5	>230 lx with illuminance set to 100% (1m from focus, 35x35cm)
Light field contrast IEC 60601-2-54:2009	>4:1 (35x35cm at 1m SID)
Leakage radiation IEC 60601-1-3:2008	≤0.5 mGy/hr (at 1m, 150kVp, 4mA)
Mounting distance (of mounting plane from focus)	80 ± 1mm
Accessory guides	One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick
Power consumption	24V DC, 35 VA max
Weight	9.0 kg
Operating conditions	Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing
Compliance	Conforms to the requirements of FDA and the European Medical Device Directive (CE mark Class IIb)

MORE INFORMATION

Varex Imaging Corporation is a leading innovator, designer and manufacturer of X-ray imaging components, which includes tubes, digital flat panel detectors and other image processing solutions, which are key components of X-ray imaging systems.

For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at www.vareximaging.com/contact information.

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