



Shimadzu Activo

Description

SPECIFICATIONS

? C-arm cart

SID (Source Image receptor Distance) 980mm

Minimum horizontal X-ray level from floor 775mm (With C-arm above bed), 1105mm (With C-arm under bed)

C-arm rotation 120°

C-arm axial rotation 300/−120°

C-arm up/down travel 450mm

C-arm FWD/REV travel 200mm

C-arm swiveling $\pm 12.5^\circ$

C-arm free space 780mm

? X-ray control unit

Nominal maximum output 2kW

Setting range of tube voltage 40 to 110kV

Radiography (film)

Short-time rating 60kV, 200mAs (20mA)

110kV, 100mAs (12mA)

Setting range of mAs 0.5 to 200mAs

DR (Digital Radiography)

Short-time rating 110kV, 16mA

Pulse fluoroscopy

Rate of pulse fluoroscopy 3.75, 7.5, 10, 15fps

Nominal max. tube voltage and max. tube current that can flow at nominal max. tube voltage

110kV, 5mA (200V mode)

110kV, 3.6mA (100V mode)

Max. tube current and max. tube voltage to achieve max. tube current

9mA, 60kV (200V mode)

5mA, 80kV (100V mode)

Boost pulse fluoroscopy

Rate of boost pulse fluoroscopy

3.75, 7.5 fps

Nominal max. tube voltage and max. tube current
that can flow at nominal max. tube voltage
110kV, 9.8mA

Max. tube current and max. tube voltage to
achieve max. tube current
13.5mA, 80kV

Continuous fluoroscopy DC (Acquisition rate:30fps)

Max. tube current and max. tube voltage to
achieve max. tube current

9mA, 60kV (200V mode)

5mA, 80kV (100V mode)

? X-ray tube

X-ray tube type Stationary anode type

Focal spot size 0.6mm

Anode heat storage capacity 100kHU

Tube assembly heat storage capacity 680kHU (480kJ)

Maximum tube cooling rate 226HU/s (160W)

Target (angle and material) 8°, Tungsten

? Collimator

Octagonal collimator Electrical drive (opening/closing), made of W

Parallel collimator Electrical drive (opening/closing and rotation), made of Cu

Compensating filter Electrical drive (filter selection), made of Cu,

0.1mm thick 0.2mm thick 0.3mm thick

3.0mmAl 3.7mmAl 3.8mmAl

? I.I.

Input field size 150mm/100mm (6/4 inch) 230mm/160mm (9/6 inch)

Central limiting resolution 5.4 lp/mm (6 inch)

6.4 lp/mm (4 inch)

5.0 lp/mm (9 inch)

6.0 lp/mm (6 inch)

? Imaging system

Camera type 1 million pixel CCD camera

Effective pixels 1000 (H) ×1000 (V)

Density resolution 12bits (4,096 gradations)

Frame (loop) memory 172 images

Image processing Edge enhancement, Window/Level adjustment

? Monitor

Monitor type 19 inch LCD , Color or Black-and-white

Date

2024/10/06

Date Created

2024/05/16

Author

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