Potable X-ray unit
XD2000
(FUJIFILM CALNEO Xair)

Product specifications
* Available only in Japan
Configuration

Standard configuration

Product name: FUJIFILM CALNEO Xair

(1) Portable X-ray unit: XD2000 PX

(2) AC cable

Accessories

(1) Portable X-ray unit: XD2000 PX
   • Shoulder strap, tape measure, AC adaptor, short strap, XD2000 PX operation manual

(2) Support frame: XD2000 ST
   • XD2000 ST manual

(3) Support frame: XD2000 ST-M
   • XD2000 ST-M manual

(4) Support frame: XD2000 ST-S
   • XD2000 ST-S manual

Specifications

X-ray unit

• Output power: 450W (90 kV, 5 mA)
• Nominal maximum power: 450 W (90 kV, 5 mA, 0.1s)
• Maximum tube voltage: 90 kV
• Tube voltage range: 50～90 kV 2 kV step
• Accuracy of tube voltage: ±10%
• Tube current: 5 mA (fixed)
• Exposure time range: 0.04～0.5 sec
• mAs range:
   0.20, 0.25, 0.32, 0.40, 0.50, 0.63, 0.80, 1.00, 1.25, 1.60, 2.00, 2.50 mAs
• Accuracy of mAs: 0.20～2.50 mAs error ± (10% + 0.2 mAs)
• Available total mAs per hour: 100 mAs (90 kV)
• Maximum load of shot number: 200 shot/h (90 kV 0.5 mAs 18 sec. cycle)
• Nominal focal spot: 0.8 ec.
• Target angle: 16°
• Anode type: Fixed anode
• Heat unit of X-ray tube: 7.0 kJ
• Leakage dose: 0.14 mGy/h (1 m from focal spot)
  • Exposure condition: 90 kV, 100 mAs/h
• Maximum irradiation field: 47 cm × 47 cm (1 m from focal spot) JIS Z 4122
• Irradiation field:
0~47 cm × 0~47 cm (SID 100 cm)

- Illuminance of light field: more than 120 lx (SID 100 cm)
- Lighting time of light field: 30 sec.

Total filtration
- More than 2.5mmAl equivalent (70kV)

Processing ability
(1) Start-up time: less than 120sec.
(2) Minimum cycle time: 8sec.
(3) Charging time:
  Full charge from the empty: 4.5h
(4) Available number of shots
  100 shots
- More than 4.5 hours charged with new battery
- Exposure condition: 90kV, 0.5mAs
- Time of lighting: 10sec.
- Interval of the shots: 60sec.

EMC
- IEC60601-1-2:2007
- Class B

Environmental condition
(1) Operation
  Temperature: 15℃~30℃
  Humidity: 15～80%RH (without condensation)
  Atmospheric pressure: 700hpa~1,060hPa

(2) Storage/Transport
  Temperature: -10℃~50℃
  Humidity: 10~90%RH (without condensation)
  Atmospheric pressure: 700~1,060hPa
Size and weight

X-ray unit

<table>
<thead>
<tr>
<th></th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD2000 PX</td>
<td>301</td>
<td>257</td>
<td>144</td>
<td>3.5</td>
</tr>
</tbody>
</table>

※Error ±10%
### Support frame

<table>
<thead>
<tr>
<th>Model</th>
<th>Width (less than mm)</th>
<th>Depth (less than mm)</th>
<th>Height (less than mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD2000 ST</td>
<td>1000</td>
<td>1600</td>
<td>2100</td>
<td>Approx. 7.6</td>
</tr>
<tr>
<td>XD2000 ST-M</td>
<td>700</td>
<td>700</td>
<td>1900</td>
<td>Approx. 11.5</td>
</tr>
<tr>
<td>XD2000 ST-S</td>
<td>800</td>
<td>950</td>
<td>1600</td>
<td>Approx. 2.8</td>
</tr>
</tbody>
</table>

**XD2000 ST**

![XD2000 ST diagram](image)

**XD2000 ST-M**

![XD2000 ST-M diagram](image)

**XD2000 ST-S**

![XD2000 ST-S diagram](image)
X-ray generator Scatter X-ray dose distribution map

TYPE: XD2000 PX

unit: μSv  X-ray perpendicular to the ground
     Measured height from the ground: 350mm
     Exposure conditions 90kV 2.5mAs

unit: μSv  X-ray parallel to the ground
     Measured height from the ground: 600mm
     Exposure conditions 90kV 2.5mAs