

Static Analogue Radiography (AR) System

SDX5000B (AR)

is a high performance floor-mounted radiography system with flexible movement and high index imaging chain. It is consists of a high-frequency micro-processor based generator, large heat capacity X-ray tube, . It is widely applied in radiology room for hospital digital radiography for all body parts, such as head, limbs, chest, spine, lumbar, vertebrae, abdomen and etc.



X-ray Generator + X-ray Tube +Collimator + Console+ Remote exposure

1. Generator		
1.1	Standard output power: 65kW	
1.2	mA range: 10-800mA	
1.3	kV range: 40-150kV	
1.4	mAs range: 0.1-800mAs	
1.5	Load time range: 0.001s~6.3s	
1.6	Generator frequency: 25kHz±5%	
1.7	Voltage: 3 phase, 380V	
2. X-ray tube		
2.1	Focus range: 0.6/1.2mm	
2.2	Anode heat capacity: 150kHu	
2.3	Anode types: rotating anode, maximum speed: 3200 rpm	
2.4	Pipe sleeve heat capacity: 1250kHu	
2.5	Tube maximum voltage: 150kV	
2.6	Anode input power: large focus 50kW, small focus 22kW	
2.7	Anode angle 12°	
2.8	Inherent filtration: 1.3 mm Al/75kV	

2.9	Tube life time: 8-10 years
3. Collimator	
3.1	Inherent filtration: 1.2 mm Al /75 kV;
3.2	LED lights with 30s auto shutdown timer
3.3	Built-in SID ruler
3.4	Collimator rotation $\pm 360^\circ$
4. Positioning and movement	
4.1	Tube tilting angle: $\pm 180^\circ$
4.2	Tube vertical rotation angle: $-10^\circ \sim 90^\circ$
4.3	Tube vertical traveling distance along column: $703 \pm 5 \text{mm} \sim 1877 \pm 5 \text{mm}$
4.4	Tube column horizontal traveling distance along bed: $1635 \pm 5 \text{mm}$
4.5	Bed height $660 \text{mm} \pm 5 \text{mm}$
4.6	Bed Size 820mm (Width)* 2120mm (Length)
4.7	Bed movement (Longitudinal): $900 \pm 5 \text{mm}$
4.8	Bed movement (Transverse): $250 \pm 5 \text{mm}$
4.9	Cassette tray movement $510 \pm 5 \text{mm}$
5.0	Weight bearing: 200 kg
5. Power supply	
8.1	Power Supply: 220V single phase or 380V three-phase 50/60Hz AC
8.2	Voltage stabilizer 80kVA (Optional)
8.3	UPS for workstation 3kVA (Optional)
6. Machine dimension and weight	
9.1	Machine dimension $2200 \text{mm} \times 1070 \text{mm} \times 2140 \text{mm}$
9.2	Packing total size 6.15 CBM
9.3	Net weight 624 kg
9.4	Gross weight 896 kg
7. Warranty and support	
10.1	12 month free warranty
10.2	Operational Manual
10.2	Service Manual
10.3	24 hours remote technical support



Clinical Images

