

Portable Dental X Ray Machine

YJ-DXP03



Voltage and current:

60KV-2mA(+5%)

More suitable oral film parameters, less output radiation, without large doses can also take clear photos

Compared with common competitive products in the market, the volume is reduced by 25%, the design is compact, the portability is enhanced, and the operation is more convenient

Built by a famous design team, the product is ergonomic, the overall edge and arc treatment, more comfortable to hold, long-term shooting will not be tired
High-density battery, strong endurance, no false power, shooting worry-free

Inverter frequency:

The inverter frequency is 70kHz, and the high-frequency inverter technology makes the dose more stable, less invalid rays, and the image clearer

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The solid state glue filling process in the ball bag has no risk of oil leakage and is more effective in isolating radiation; There is no chemical harm after falling, and the service life is longer

Security:

360-degree lead wrap ensures no dead space for radiation leakage

Display screen:

LCD color screen, clear interface, functional UI interaction more colorful, more comprehensive functions, easy to get started



Product Description

Technical specification

Serial number	Name	Parameter value	
1	Power Adapter	Input Voltage	Uniphase AC 100~240V, ±10%
		Supply Frequency	50/60Hz, ±1Hz
		Input Power	286W
2	Output Power	25.2W	
3	Charge voltage	DC 25.2V	
4	Charge current	1.0A	
5	Nominal value of the focal point	0.8mm	
6	Anode angle	19°	
7	Available maximum tube voltage at 2mA	60kV	
8	Maximum output electric power	0.12kW	
9	Maximum loading factor combination	60kV、2mA、2s	
10	Repeatability of radiation output	No more than 0.5	
11	Tube voltage (The deviation is within the range of ±10%)	60kV	
12	Tube current (The deviation is within the range of ±20%)	2mA	
13	Running mode	Discontinuous operation, maximum excitation (open) time : minimum excitation (close) time = 1: 30	
14	Total filtration of X-ray tube assembly	>2.5mm Al	
15	Intrinsic filtration of X-ray tube assembly	0.75mm Al	
16	Additional filtration	1.00mm Al	
17	Half-value layer	≥1.5mm Al (60kV)	
18	Leakage radiation	≤0.25mGy/h (60kV、2mA、2s)	
19	Adjustment range of the loading time	0.01~2.00s, adjustable	
20	Distance of the Focal point to skin (The deviation is within 0~5%)	211mm±3mm	
21	X-ray field size at the end of beam limiting tube	round, Φ 56mm±3mm	
22	Nominal electric power	0.12kW (60kV、2mA、0.1s)	
23	Available maximum tube current at 60kV	2mA	
24	Inverter frequency of the high voltage generator	70kHz	

Note: the loading time adjustment range meets the R10 series for the adjustment.

X-ray tube technical specification

Serial numbe	Name	Parameter value
1	The X-ray tube model	XD10D-0.5 / 70
2	Nominal value of the focal point	0.8mm
3	Target material	Tungsten
4	Maximum working tube voltage	70kV
5	Anode angle of the X-ray tube	19°
6	Intrinsic filtration	0.75 mm Al
7	Filament current	2.0 A
8	Filament voltage	2.85 ± 0.5 V

Equipment List

Serial number	Name	Unit	Quantity
1	Host	PCS	1
2	Adapter	PCS	1
3	Power cable	PCS	1
4	Hand strap	PCS	
5	Neck strap	PCS	1

