

astroforxray.co.uk



Handy
high frequency
portable X-ray unit



Suppliers of diagnostic X-ray equipment to the veterinary profession.
Telephone 0161 764 4061
Email: info@astroforxray.co.uk

Handy High frequency portable unit.

X-Ray Generator.

- High frequency monobloc generator
- Max power 4kW
- Max Voltage 110kV
- Max current 63mA

X-ray Tube

- Single focus 1.5mm stationary
- Anode material W
- Anode thermal capacity 40 kHU

Control Panel

- Microprocessor controlled with alphanumeric LCD, showing all parameters.

Operational mode.

- Two point technique (kV and mAs)
- Anatomical programming: 24 for human use and domestic animals
- 19 for equine use
- LBD lamp controlled from the front panel

KV Selection

- From 40kV to 110kV in 1 kV steps

MA selection

- 24 values from 0.32 to 125mAs
- exposure time from 0.005 to 5 seconds

Exposure control

- two stages X-ray push button with extending cable up to 4m

Safety and protection

- Automatic control and protection of the filament current.
- Protection against overvoltage and over current
- Errors indicating malfunctioning or wrong operation

Power supply

- Single phase 230± 10% 50 / 60Hz 16Amps max
- Total line resistance 0.4 Ω
- Power supply cable length 5m

Collimator

- Manual operated collimator with field adjustment from 0 to 43.43cm @ 1m (FFD)
- High intensity light simulating irradiated field with auto switch off after 30s
- Retractable tape measure for FFD measurement

Weight

- 20Kg without case

Accessories

- aluminium case with wheels



- IEC601-1
- IEC 601-1-3
- IEC 601-2-7
- IEC 601-3-28

Astro Medical Systems Ltd

Unit 2P

Peel Mill

Gordon Street

Bury

Lancashire

BL9 0JU

Tel/Fax: 01617644061

<http://www.astroforxray.co.uk>

mAs	Handy kV range / time and mAs table													
	40 to 50 kV		51 to 60kV		61 to 70 kV		71 to 80 kV		81 to 90 kV		91 to 100 kV		101 to 110 kV	
	mA	time	mA	time	mA	time	ma	time	ma	time	ma	time	ma	time
0.32	63	0.005	50	0.006	50	0.006	40	0.008	40	0.008	40	0.008	32	0.010
0.40	63	0.006	50	0.008	50	0.008	40	0.010	40	0.010	40	0.010	32	0.013
0.50	63	0.008	50	0.010	50	0.010	40	0.013	40	0.013	40	0.013	32	0.016
0.80	63	0.013	50	0.016	50	0.016	40	0.020	40	0.020	40	0.020	32	0.025
1.60	63	0.025	50	0.032	50	0.032	40	0.040	40	0.040	40	0.040	32	0.050
2.00	63	0.032	50	0.040	50	0.040	40	0.050	40	0.050	40	0.050	32	0.063
2.50	63	0.040	50	0.050	50	0.050	40	0.063	40	0.063	40	0.063	32	0.078
3.20	63	0.051	50	0.064	50	0.064	40	0.080	40	0.080	40	0.080	32	0.100
4.00	63	0.063	50	0.080	50	0.080	40	0.100	40	0.100	40	0.100	32	0.125
5.00	63	0.079	50	0.100	50	0.100	40	0.125	40	0.125	32	0.156	32	0.156
6.30	63	0.100	50	0.126	50	0.126	40	0.158	40	0.158	32	0.197	32	0.197
8.00	63	0.127	50	0.160	50	0.160	40	0.200	40	0.200	32	0.250	32	0.250
10.00	63	0.159	50	0.200	50	0.200	40	0.250	40	0.250	32	0.313	25	0.400
12.50	63	0.198	50	0.250	50	0.250	40	0.313	40	0.313	32	0.391	25	0.500
16.00	63	0.254	50	0.320	40	0.400	40	0.400	40	0.400	32	0.500	25	0.640
20.00	63	0.317	50	0.400	40	0.500	40	0.500	32	0.625	32	0.625	25	0.800
25.00	63	0.397	50	0.500	40	0.625	40	0.625	32	0.781	32	0.781	25	1.000
32.00	63	0.508	50	0.640	40	0.800	40	0.800	32	1.000	32	1.000	25	1.280
40.00	63	0.635	50	0.800	40	1.000	40	1.000	32	1.250	25	1.600	25	1.600
50.00	50	1.000	50	1.000	40	1.250	32	1.563	32	1.563	25	2.000	25	2.000
64.00	50	1.280	50	1.280	40	1.600	32	2.000	32	2.000	25	2.560	25	2.560
80.00	50	1.600	40	2.000	40	2.000	32	2.500	25	3.200	25	3.200	25	3.200
100.00	50	2.000	40	2.500	32	3.125	32	3.125	25	4.000	25	4.000	25	4.000
125.00	50	2.500	40	3.125	32	3.906	32	3.906	25	5.000	25	5.000	25	5.000

