

HF100H+

MINXRAY®

High Frequency Portable X-ray Unit for Human Use

- **Compact, Lightweight**

HF100H+ combined with XGS MKIV stand weighs only 90 lb.

- **High frequency**

full-wave rectified power supply makes maximum use of electrical input; minimizes potentially harmful lower kV x-rays.

- **Automatic, dynamic line voltage compensation**

ensures repeatable results.

- **CPU Control**

provides for optimum accuracy of output.

- **5 memory stations**

for storing frequently used x-ray exposure techniques.



HF100H+ is a monobloc design with all electronic controls housed within the head.



HF100H+ mounted to XGS MKIV SW gas spring mobile stand makes for an easily-transported portable x-ray system that is perfect for off-site radiography.



HF100H+ and XGS MKIV SW moves like a two wheel cart. XGS stand is available with large 16" wheels XGS MKIV LW or small 10" wheels XGS MKIV SW.

MINXRAY® INC.

Quality portable x-ray units since 1967

High Frequency Design

MinXray's full-wave rectified high frequency units are the most efficient portable x-ray generators in the world. Conventional units (self rectified, line frequency) are only about one-third as efficient as these technologically advanced units. Therefore, considerably more radiation output per pound of system weight is available from the MinXray HF designs. As an added benefit, the output of these units is independent of line voltage variations.... a very important feature for field use.



Extension of boom arm and complete rotation of x-ray head allows for a wide-range of positioning options - including shots at right angles.



HF100H+/XGS MKIV SW system unfolds easily and quickly to position focal spot as high as 76 inches above the floor.

Specifications

HF100H+ Portable X-ray Unit

Output	.30 mA @ 40-60 kVDC 25 mA @ 62-80 kVDC 20 mA @ 82-100 kVDC
Timer	Ultra High Resolution 0.08-4.00 sec., 0.01 increments
Input Voltage	100-140 VAC or 200-260 VAC, specify unit
Line Voltage Adjustment	Automatic, dynamic
Internal Power Supply	Constant potential, 60 kHz, full-wave rectified
X-ray Tube	Toshiba D-124S

Focal Spot Size	1.2 mm
Anode Heat Storage	.20 kHU
Total Filtration	4.2 mm Al equivalent
Collimator	Continuously adjustable light beam type with central x-ray indicator
Exposure Switch	Two stage deadman type
Exposure Cord	8 feet (2.44 meters)
Power Cord	.20 feet (6.1 meters)
Size	9.5 in W x 8.75 in H x 16 in L 24.1 cm x 22.2 cm x 40.6 cm
Weight	45.5 lb (20.7 kg)

Portable Mobile Stands

	XGS MKIV SW
Focal Spot Distance From Floor	.28 to 76 in (71 to 193 cm)
Wheel Diameter	.10 in (25.4 cm)
Wheel Span (max width of stand in folded position)	.20 in (51 cm)
Leg Span (max width of stand in open position)	.34 in (86 cm)
Depth, open (rear of wheel to tip of leg)	.42 in (107 cm)
Height, folded	.48 in (122 cm)
Depth, folded	.18 in (46 cm)
Weight	.43 lb (19.5 kg)

	XGS MKIV LW
Focal Spot Distance From Floor	.28 to 76 in (71 to 193 cm)
Wheel Diameter	.16 in (40.7 cm)
Wheel Span (max width of stand in folded position)	.21 in (54 cm)
Leg Span (max width of stand in open position)	.34 in (86 cm)
Depth, open (rear of wheel to tip of leg)	.45 in (115 cm)
Height, folded	.48 in (122 cm)
Depth, folded	.21 in (54 cm)
Weight	.45 lb (20.5 kg)

Ordering Information

HF100H+ High Frequency Portable X-Ray Unit: Variable kVDC (40-100), variable mA (30,25,20), complete with ultra high-resolution timer, adjustable light beam collimator, 5 memory stations, power cord, exposure switch and cord and technique chart.

XGS MKIV LW: Gas Spring Portable Mobile Stand with 16" wheels for HF100H+ and HF120/60HPPWV PowerPlus™

XGS MKIV SW: Gas Spring Portable Mobile Stand with 10" wheels for HF100H+ and HF120/60HPPWV PowerPlus™

HF100HCC Carrying Case for HF100H+

For more information about MinXray products consult your local dealer:



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