

AKAI Med



X-RAY MOBILE Vet

TECHNICAL SPECIFICATIONS

MED RAY-100L for veterinary
100mA, Full Wave Rectified X-Ray Generator with Stationary
Anode X-Ray
Tube and LCD display.

Anatomical Programming

(APR): For quick and fine selection of
radiographic parameters for optimum image quality

OUTPUT 8 KW

MA STATIONS 100mA, 50mA and 25 mA

KVP RANGE 40 to 100KVP in Steps of 1 KVP/Step.

MAS RANGE 1 to 200 mAs

TIMER Solid State Electronic Timer with timing range from 0.01 to 4 Sec. in 24 steps.

CONTROL

- Preprogrammed parameters of human Anatomy which helps the user to select exposure parameters based on body part, examination view and size of the patient operator in such a way that by just selecting the patient size and body part to be X-Rayed the KVP and mAs are automatically selected.
- Attractive and Ergonomic designed feather Touch Panel control panel have **LCD screen** which displays the parameters like mA, mAs, KVP, Screen type, Bucky selection, selected body part description.
- Laminated Membrane switches are provided for selection of Rad mA KVP Selection, mAs selection, ready, x-ray s/w, Bucky selection s/w and M/c On-Off s/ws.
- Provided with a voltage compensator circuit for maintaining the constant voltage for m/c operational I/P voltage in the range 190V to 260V & a **Digital voltmeter** is provided for display of in put voltage.
- A Booster X-mer is provided to maintain & stabilization of filament voltage.
- A hand s/w with five-meter length with retraceable cord is provided for operating the equipment from distance position.

OVERLOAD PROTECTION & SAFETY FEATURES

- * Automatic trip off overload circuit breaker.
- * Ready & X-Ray & indicators.
- * Fuses for all circuits are provided in the machine
- * Electronic overload system does not allow machine to select parameters which are out of range according to X-Ray tube rating chart.



TUBE HEAD

Self-contained Tube Head containing Stationary Anode X-Ray Tube, Compact Heavy Duty Full Wave Rectified H.T. Transformer, and High Voltage Silicon Rectifiers etc. all oil immersed and hermetically sealed. Tube head can be tilted 360 Degree with full flexibility for use in operation theatres and in ward for bedside radiography. Geared LBD with High Lux is provided

ACCESSORIES

- (a) Spare LBD bulbs.
- (b) Set of fuses.
- (c) User manual and installation manual.
- (d) Dust Covers

STAND (CBM)

Mobile Stand with 4-wheel design, which ensure easy mobility and steering. Counter Balanced articulated tube carriage allowing smooth movements of the Tube Head in vertical and Horizontal Plane, Lead lined cassette storage box. Double Steel Rope for Counter Balancing gives additional safety. Large castor nylon wheels for easy mobility. The stand is designed for maximum maneuverability of the unit.

POWER REQUIREMENT

- 220/230V (AC-supply) 50/60 Hz, $\pm 10\%$.
- 15Ampere wall socket.
- Line resistance: < 0.4 Ohms.



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