



MDX-100DX/MCB
MEDICAL DIAGNOSTIC X-RAY



Digital Console

MOBILE X-RAY

(100mA, 100 KVP Mobile X-Ray machine with digital control panel)

First time in India

Unique Features:

- Soft touch keyboard
- Color TFT display
- Anatomical programme
- Self diagnostic programme

CE, BIS / AERB APPROVED

MDX-100DX/MCB - Technical Specifications

OUTPUT RATING (RADIOGRAPHY)	8KW as per IS : 7620 (Part 1): 1986 100mA at 40 to 100 KVP 50mA at 40 to 100 KVP 25mA at 40 to 100 KVP
KVP RANGE	40 to 100KVP in Steps of 2 KVP/Step.
TIMER	Micro-controller controlled timer.
CONTROL PANEL	<p>Attractive and Ergonomic designed Digital Control Panel having Soft Touch Control of all Radiographic Parameters. The Equipment uses State of the Art Technology with Micro Controller to Control various Functions & Selections.</p> <p>The Panel is equipped with a Multiline Graphical Color TFT Display. All Parameters, viz. KV, mA, Time, mAs are displayed on the TFT Display.</p> <p>Two Modes of Operation are provided, Manual Mode & APR Mode, (Anatomical Programme). Anatomical Programme helps in Auto selection of Radiographic Parameters for different Sizes of Patients for their different Body Parts.</p> <p>X-Ray counter. Auto selection of parameters as per screen speed.</p> <p>Bucky Selection Switch. Indicators for Mains ON, Overload, Error, Ready & X-Ray ON are provided.</p> <p>Pre programmed key for quick selection of parameters.</p> <p>Equipment is provided with Voltmeter to indicate line voltage.</p> <p>mA meter is provided to indicate tube current.</p>

Automatic Input Voltage Compensation.
Auto stabilization of filament voltage.

SAFETY FEATURES Automatic trip off overload circuit breaker.

Electronic overload protection with simultaneous protection from high input voltage/KVP/mA/Time provided.

Self diagnostic programme.

Fuses for all circuits provided in the machine.

Error Indicator with Type of Error Displayed.

TUBE HEAD

Self Contained Tube Head containing Stationary Anode X-Ray Tube (BEL DSA-3B / Imported). Compact Heavy Duty Full Wave Rectified H.V. Transformer and High Voltage Silicon Rectifiers immersed in oil and hermetically sealed. Tube head can be tilted 360° with full flexibility for use in operation theatres and in ward for bedside radiography.

TUBE STANDS

Mobile Counter Balance (MCB)

ACCESSORIES

- (a) Manual Light Beam Collimator
- (b) Hand Switch with retractable cord.
- (c) Aluminum filter.

POWER SUPPLY

230 Volts AC, $\pm 10\%$ Line Regulation, Single Phase, 50 HZ. With Line Resistance of 0.4 Ohms as per IS: 7620 (1). (Power lines having line resistance of more than 0.4 Ohms may limit the output of X-Ray generator.)

Since R&D is a continuous process, features & specifications are subject to change without notice.

Represented by

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BIS / ISI, BARC/AERB, CE