



MEDICATECH USA®

ClearRay™ **1700**

Specification Sheet



Specifications

TABLE

Floating Table / Fixed Column
4-way floating table top with Floating range of +/- 11"
Table Top Dimensions 31"D x 60"L w/ Fixed 30" Height
Max Weight 500 lbs
Overall dimensions 60Lx31Wx29H
Column Height 84"
Wide foot pedal for the Electromagnetic brake system
Standard exposure Foot Switch

UPGRADES & OPTIONS

- **12 or 15 inch touch screen monitor** for image viewing and generator control (for fully integrated systems)
- **Elevating 4 way float top table**(500 LBS lift capacity) Horizontal Motion Floor Mount
- **Optional variable SID tube column and rotating tube head.**
- **SID ranges from 14"-44" measured from table top.**
- **Tube rotates +/- 90 degrees.**

Specifications

GENERATOR

CPI 32kW Generator with 1 yr warranty

Generator Type	High Frequency Output Maximum 480 KHz
IEC Power Rating	32 KW @ 100 KV for 100ms
KVp Range	40-125 KV
mA Range	10-400 mA
mAs Range (Non-AEC)	0.1-100 mAs
Rotor Supply	Slow speed starter
Input Phase/ Voltage	1 ϕ /215 VAC \pm 13%
Maximum Input current	Power derating required below 200 VAC
High Voltage Ripple	20 A
Compatible X-ray Tubes	<1 KV @ 100 KV
Auto-tube Calibration	>300 tube models
Exposure Timer Range	Standard feature
Exposure Timer Range	1 ms - 6.3 s 10 s, 20 s, 30s Options available
Anatomical Programs	Membrane/Touchscreen console 1024/20,000+ techniques
Supported Console Language	English, French, German, Italian, Spanish, Swedish, Cyrillic (additional available upon request)
Image Receptors	Supports up to 5 Receptors
Technique selection	KV/AEC, KV/mAs, KV/mA/ms or KV/cm thickness (Standard console only)
Tomography Mode	Standard Feature
Auxiliary Collimator Power supply	Standard Feature
GenWare™ Service software	PC-based diagnostics & technical support
Documentation	Manuals on CD Hardcopy available upon request

OPTIONS & UPGRADES

Generator Integration with Voyance® Available

Specifications

VOYANCE® ACQUISITION SOFTWARE

User-friendly touch GUI

Automatic image optimization

Exam-specific algorithms image processing

Emergency Mode Accessible at All Times with Single Click.

Support Continuous Exposures.

Side by Side Image Comparison.

Move and Copy Images between Studies.

Edit existing patient information: Search patient by patient name, patient ID, Accession number.

Fully DICOM 3.0 Compatible: MWL, Send, Print, MPPS, etc.

DICOM Send, E-mail or Burn Images Over CD/DVD

Support Multi Format Image Export

True size for printing

Resend / Reprint image

Send/Print queue management

Useful functions: Auto Cropping, Auto Grid Suppression, Auto Labeling, Auto Rotation, Free Rotation, Multi Layout, etc.

Customized functions and various themes

Supporting Up to **4 Digital Detectors** Including **One Digital Dental Sensor**.

Voyance® PACS Software with up to 10 viewers license included

Specifications

X-RAY TUBE

Mechanical	
Dimensions	See dimensional outline
Overall Length	479 mm
Maximum Diameter	152.4 mm
Tube Housing Model Number	E7239FX - XH-121
Maximum X-ray Tube Voltage	
Radiographic	125 kV
Between Anode (or Cathode) and Ground	62.5 kV
Minimum X-ray Tube Voltage	40 kV
Large Focus	570 mA
Small Focus	340 mA
Maximum Filament Current	
Large Focus	5.1 A
Small Focus	5.1 A
Filament Voltage	
Large Focus (At maximum filament current 5.1 A)	7.7 ~ 10.4 V
Small Focus (At maximum filament current 5.1 A)	5.8 ~ 7.8 V
Filament Frequency Limits	0 ~ 25 kHz
Continuous Anode Input Power	60 W (85HU/s)
Thermal Characteristics	
Anode Heat Content	100 kJ (140 kHU)
Maximum Anode Heat Dissipation	475 W (667HU/s)
X-ray Tube Assembly Heat Content	900 kJ (1250kHU)

Upgrade Option

Type	Toshiba E7239X	Toshiba E7252X
Focal Spot	1.0-2.0	0.6-1.2
Operating Voltage	40-125kV	40-150 kV
Anode Heat Capacity	140KHU	300KHU
Target Angle	16"	12"

Specifications

DR Panel

14 x 17 or 17x17 Active area (Real Image Size), Gigabit Ethernet (LAN Cable)

Resolution: 3,072 x 3,072 / 7.1 MP

Overall Dimensions: 460 x 460 x 15.5 mm

16 bit depth: 65,535 shades of gray

CsI Direct Deposition, Low Dose Imaging

140µm Pixel Pitch

Lossless AED: USB Power cable Connection, No Power supply needed

IP54 rated panel: Dust and water resistant

Weight: 9.5 lb

5 year Manufacturers parts warranty

Dell I5 PC - 24" LED Monitor - Core i5; DVD drive, WIN 10 64-bit, 8 GB RAM, 1TB HD

Dell 3 year warranty, Next Business Day Onsite After Remote Diagnosis, 1 year on Dell monitor

Collimator

Collimator-CO-Vet Veterinarian Collimator

Electronic Timer

LSS (low speed starter), Membrane console

Automatic Laser Bucky Centering Light



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