

Specifications

Readout

Display LCD, 8 line x 32 character; center axis displays exposure; off-axis displays ratio to center

User controls On/Off, 3 soft keys, 2 menu scroll keys, and user determined programmable alarm points

Real time clock Automatic time/date stamping of log files

Symmetry and flatness Automatically calculated

Measurement modes/units

Dose rad, Gy

Rate rad/min, Gy/min

Log file storage 72 stored calibrations for 6 machines, 12 energies. User entered file labels, baseline for each file for measurement comparison. Typical, 6 machines, 12 energies, 31 days + baseline

Temperature and pressure Manual entry with automatic calculation and correction

User output RS-232 serial output, ASCII, sends selected file to computer or printer

Dimensions 9 (w) x 8.5 (d) x 2.4 in (h) (23 x 21.5 x 6 cm)

Power requirements Rechargeable batteries with 120 VAC adapter

Detector paddle

Material Acrylic

Dimensions 9 (w) x 12.5 (d) x 1.3 in (h) (23 x 32 x 3.3 cm)

Standard field size 20 x 20 cm or 10 x 10 cm

External chamber cavity Side cavity provided for farmer-type ion chamber (0.6 cc), allowing central axis calibration

Ion chamber buildup (all chambers) 4.2 mm acrylic, 0.375 g/cm²; 0.8 mm polyethylene, 0.146 g/cm²

Number of ion chambers Ten ion chambers

Ion chamber configuration One central axis; four - 4 cm off-axis; four - 8 cm off-axis; energy constancy chamber for external filters @ 9 cm off-axis

Ion chamber nominal bias voltage 500 VDC

Ion chamber diameter/volume 1.27 cm / 0.65 cc

System

Dose rate range 50 to 1000 rad/min; 0.50 Gy to 10 Gy/min

Dose 0 to 2000 rad; 0 to 20 Gy

Beam type energy

Photons 2 to 25 MV

Electrons 2 to 25 MeV

Dimensions mated 9 (w) x 18 (d) x 2.4 in (h) (23 x 45.7 x 6 cm)

Weight 20 lb (9 kg)

Optional accessories

Cable, 8 ft (2.4 m) (Model 7200-8)

Cable, 100 ft (30 m) (Model 7200-67)

Carrying Case (Model 7200-69)

System components (Model 7200)

Readout (Model 171305)

Detector Paddle (Model 171340)

7200 Assistant for Excel (Model 7200EXL)

Cable, 50 ft (15 m) (Model 7200-68)

Stainless Steel Filter Set (Model 7200-50): 0.46, 0.61, 0.76, 0.91, 1.5, 1.9, 3.0, 3.6, 5.0, 10, 15, and 30 mm

Buildup Plates, 1 cm (Model 171063) (3 each)

RS-232 Interface Cable, 7 ft (2 m) (Model 802013)

Adapter, 9-pin (Model 169072)

Instruction Manual (Model 7200-1)

For additional information, please contact Cardinal Health, Radiation Management Services customer service at 440.248.9300, 800.850.4608, or fax: 440.349.2307; located at 6045 Cochran Road, Cleveland, Ohio 44139-3303, USA.

CE Tested. Meets applicable standards.

Specifications are subject to change without notice.

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