

## Model CRC®-15R Nuclear Medicine Dose Calibrator

The Model CRC®-15R is Capintec's most popular dose calibrator, and for a good reason. Taking advantage of the latest technology, the CRC®-15R is an autoranging dose calibrator, giving you added speed, accuracy and easy-to-use features.

There are nine preset nuclide keys plus five user-defined keys that may be preset to any nuclide you require. The advanced system also allows selection of over 86 different nuclides through the alphanumeric keys by simply entering the nuclide name, number and pressing ENTER.

For generator users, the CRC®-15R automatically calculates the <sup>99</sup>Mo/<sup>99m</sup>Tc ratio. An optional printer provides syringe/ vial peel-off labels that show 99 mTc activity, <sup>99</sup>Mo/<sup>99m</sup>Tc ratio, and total molybdenum content. Full-size pages are printed of QC tests to satisfy state and NRC regulations.

For unit dose users, the speed of the CRC®-15R reduces time spent waiting for the final check before patient administration. The large backlit screen always identifies which nuclide is being counted. No more guessing which nuclide button is activated.

CRC®-15R is also the smallest available dose calibrator. Its screen design allows viewing with the unit placed vertically on the shelf or wall mounted. With the easy TEST section, you are stepped through automatic background and zero adjustments as well as accuracy, constancy and system testing.



### Features:

- ▶ Over 80 nuclides with their half lives selectable by an alphanumeric keyboard
- ▶ Decay calculation time key allows activity calculations for pre- and post-calibration
- ▶ Stores data on five reference sources with decay corrected activity
- ▶ Large LCD display with nuclide name, number, activity unit of measure and calibration number.
- ▶ Menu-driven program for <sup>99</sup>Mo assay, with standard moly shield or CAPMAC with automatic calculation
- ▶ Built-in QC programs and system test
- ▶ Automatic background and zero adjust accomplished with the Daily Test Program

### Specifications

Ionization chamber: ..... thin wall, deep well, high pressure  
 Well dimensions: ..... 26 cm high, 6.4 cm dia.  
 Measurement range: ..... 240 GBq (6.5 Ci) of <sup>99m</sup>Tc max.  
 Resolution: ..... 0.001 MBq (0.01 μCi)  
 Accuracy: ..... better than ±2%  
 Linearity: ..... within ±2%  
 Response time: ..... within 2 seconds; for very low activity, 4 to 16 seconds (user selectable)  
 Nuclide keys: ..... 9 preset and 5 user-defined  
 Calibration key: ..... over 200 nuclides  
 Printer interface: ..... serial port  
 System memory: ..... over 80 nuclides (with CAL number and half life)  
 Bias: ..... electronic (no battery required)  
 Cable: ..... 2.4 m (8 in) (longer lengths upon request)  
 Power: ..... 100 - 240 VAC 60/60 Hz, 120 mA, UL-listed  
 Dimensions/Weight:  
 Chamber: ..... 42 cm high, 17 cm dia.; 16 kg (35 lbs)  
 Electrometer: ..... 12 x 26 x 27 cm; 2 kg (4 lbs)

