



CRC[®]-25R Dose Calibrator

Innovative design, proven performance and the most comprehensive technical system available

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

LACO Inc.

can do it all!

The CRC[®]-25R Dose Calibrator gives you the state-of-the-art technology you've always expect from Capintec, plus many outstanding features in one small package. The CRC-25R is designed to meet the demands of your Nuclear Medicine Department with accuracy and ease of operation like never before. With features including USB/PC Communications and printer capability, a SD flash card software upgrade, a chamber plug-and-play feature and expanded remote capabilities, the CRC-25R will prove to be an asset to your workplace.

The space efficient design of the CRC-25R allows for a large, easy-to-read display that indicates Nuclide Name, Number, Activity, Unit of Measure and Calibration Number. A sophisticated microchip platform eliminates analog controls, while boosting speed of activity measurements.

All nuclide data is entered via the custom keyboard, that includes 8 preset and five user-definable keys. In addition, the user can enter in over 80 nuclides by using the Nuclide symbol such as Co for cobalt and 60 for Co 60. Calibration numbers for over 200 radionuclides are easily accessed by use of the Cal key.

Other capabilities include storage of five reference sources in memory that are automatically decay corrected for today's time and date. Dose calibration quality control tests and self-diagnostic are built-in along with automatic zero and background subtraction making the CRC-25R extremely easy to use. An optional printer enables the CRC-25R to print full size records and patient tickets with peel off labels for vial and syringe identification.

25R Specifications

- * **Ion Chamber:** Thin wall, deep well, high pressure
- * **Dimensions:** 26cm (10") deep x 6cm (2.4") dia.
- * **Cabling:** 3.7m (12') interconnecting cable
- * **Measurement Range:** Auto Ranging, up to 250 GBq (6Ci), max.
- * **Resolution:** .001 MBq (.01 μ Ci), max
- * **Display Screen:** Dot Matrix LCD; Format: Direct reading in Bq or Ci. Bq/Ci Reading: User select able or fixed; Values Displayed: Nuclide name (Atomic symbol, Mass #), calibration number
- * **Electrometer:** Accuracy: Better than $\pm 2\%$; Linearity: within $\pm 2\%$; Response Time: Within 2 sec, 4 to 16 sec. for very low activity samples (user selectable average period)
- * **Repeatability of Measurement:** Within $\pm 1\%$ within 24 hrs, during which time the calibrator is left on
- * **Tests:** Diagnostics: Full test of program, system memories; Quarterly: Daily, Accuracy and Linearity; Daily: Auto Zero, Auto Background Adjust, Data Check, Accuracy and Constancy
- * **Nuclear Data:** Setting Keys: 8 Preset, 5 User; Calibration Key: Over 200 nuclides; System Memory: Over 80 nuclides (w/cal number and half-life); A preset key measures up to 2.0 Ci (74.0 GBq) of F-18
- * **Standard Source Data:** System Memory: Co-57, Co-60, Bs-133, Cs-137 Standard Sources
- * **Molybdenum-99 Assay:** Methods: Canisters of CAPMAC; Measure Values: Mo-99 elution, Tc-99m, Tc-99m/Mo-99 Ratio
- * **PC Port:** Interface: RS-232C Protocol & USB; Compatibility Standard Nuclear Medicine Management Systems VAC (50.60Hz) 90 MA