

DOSE CALIBRATOR

For Speed and Accuracy in measuring PET isotopes

The CRC-15PET Dose Calibrator is built from a long tradition of quality and reliability. It is state-of-the-art technology that will help your PET lab run more efficiently without breaking your budget.

The console of the CRC-15PET is laid out for fast, efficient navigation. There are 4 factory assigned nuclide keys (F18, C11, N13 and O15) plus 10 unassigned nuclide keys that can be programmed to meet the users needs. The unit has a large LCD display that will show the isotope name, activity (in Ci or Bq) and calibration number. A custom alphanumeric keyboard drives all of the menus and functions.

The chamber of the CRC-15PET has 1/8" (3.2mm) mechanically reinforced lead shielding. The chamber is a sealed thin wall, deep well design. With lower pressure Argon gas and an increased bias voltage it can accommodate higher activities of PET isotopes while maintaining optimal speed of response (within 2 seconds).

The software program of the CRC-15PET continues the traditions of its predecessors. The menu driven design will allow the user to move swiftly through all of the system functions. The Daily QC protocol will perform zero adjust, background subtraction, system test, accuracy (with a deviation percentage) and constancy. The nuclide library is programmed with more than 80 nuclides and half-lives, plus available space for 10 additional nuclides. There is also a pre/post calibration utility for obtaining accurate dose data at a different time.

The CRC-15PET has been designed and constructed with the utmost care in order to provide you with a system that will meet the challenges of any PET facility. With an array of optional accessories you can design the perfect solution to your PET needs.



FEATURES

- *Capintec quality and reliability*
- *Microprocessor controlled*
- *Large LCD display with nuclide name, activity (in Ci or Bq) and calibration number*
- *Daily QC functions, including zero adjust, background subtraction, system test, accuracy (with deviation percentage) and constancy*
- *Library of over 80 nuclides with half-life and room for 10 additional nuclides*
- *Auto ranging*
- *Max activity up to 20 Ci of F-18*
- *Sealed, lower pressure gas filled ionization chamber with increased bias voltage for higher activities and optimal response time*
- *Remote ionization chamber with 8-foot cable (longer lengths available)*
- *Menu driven programming for easy navigation*

CAPINTEC CRC-15 PET DOSE CALIBRATOR

SPECIFICATIONS:

- Ionization Chamber: Thin wall, deep well, Argon gas [26cm (10.25") high x 6.4cm (2.5") dia. opening]
- Measurement Range: Autoranging, MAX Activity 20 Curies of F-18
- Resolution: 0.01 MBq (0.1 μ Ci)
- Electrometer Accuracy: Better than \pm 2%,
- Linearity: Within \pm 2%
- Bias Voltage: 500V
- Response Time: Within 2 sec. For very low activity 4 or 16 sec. (user selectable)
- Nuclide Keys: 10 programmable user keys, 4 preset user keys (F-18, O-15, N-13 & C-11)
- System Memory: Over 80 nuclides with half-life
- Standard Source Data: Co-57, Co-60, Ba-133 and Cs-137 (auto decay correction)
- Power Requirements: 100-240 VAC 50/60Hz, 120mA
- Compatibility with Standard Nuclear Medicine Management Systems
- Display Unit Dimensions: 12.1 x 25.4 x 26.7cm (4.75" x 10.0" x 10.5")
- Weight: 2kg (4lb)
- Chamber External Dimensions: 41.8 x 16.8cm (16.4" x 6.6") Weight: 15.6kg (34.3lb)
- Interconnecting Cable: 2.4m (8') (Longer lengths available)
- PC Port (Optional): Interface RS-232 Protocol
- Metal cable connectors with thumb screws
- No battery required



Optional CRC-AD15 Auxilliary Display

5130-2133 CRC-15PET Calibrator \$6,300.00

OPTIONS

7300-2903 CRC-PS Positron Shield \$2,100.00
5130-2082 CRC-AD15 Auxiliary Display 824.00
5130-0080 RS-232-R Serial Port 700.00
5130-0074 Okidata Printer..... 600.00
5430-0058 Epson Roll Printer..... 412.00
5430-0100 Epson Ticket Printer 440.00

Prices subject to change without notice.

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