



## Maximum Performance... Twice the Productivity

### CRC<sup>®</sup>-15 Dual Chamber PET Dose Calibrator

The CRC-15 Dual PET Dose Calibrator is a CRC-15PET times two. With all of the same great performance capabilities and software features as the 15PET, the CRC-15Dual PET gives you the advantages of a second chamber and remote readouts.

The console of the CRC-15 DUAL PET is laid out for fast, efficient navigation. There are 4 factory assigned nuclide keys (F-18, C-11, N-13 and O-15) 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 chambers of the CRC-15 DUAL PET have 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 the 15 PET can accommodate higher activities of PET isotopes while maintaining optimal response time (within


2 seconds). With the remote display both chambers are active all of the time (no switching between them).

The menu driven design of the CRC-15 DUAL PET software will allow the user to navigate 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 more nuclides. In addition, with the optional RS-232 interface port in combination with the Windows-based software (also optional) repetitive measurements can be made in either chamber and recorded (ideal for cyclotron facilities looking to measure flow-through activity).

Our assortment of optional accessories will allow you to design the perfect PET lab.

The system is backed by Capintec's expert technical support and service team.

## DUAL PET FEATURES

- ★ Capintec quality and reliability
- ★ 2 Remote ionization chamber(s) with 8-foot cables (longer lengths available)
- ★ 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
- ★ Menu driven programming for easy navigation
- ★ RS-232 port (optional)
- ★ Windows-based software for recording repetitive measurements (optional)
- ★ An unsurpassed technical support and service team
- ★ 

## OPTIONS

CRC-PS Positron Shield	7300-2903
CRC-AD15 Auxiliary Display	5130-2082
RS-232-R Serial Port	5130-0080
Okidata Printer	5130-0074
Epson Roll Printer	5430-0058
Epson Ticket Printer	5430-0100

## DUAL PET 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 µCi)
- Electrometer Accuracy: Better than ± 2%, Linearity: Within ± 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

ITEM #	DESCRIPTION
5130-2145	CRC-15 Dual Chamber PET Calibrator (with readouts)
5130-2140	CRC-15 Dual Chamber PET Calibrator (without readouts)