

CAPINTEC CRC-15R

DOSE CALIBRATOR

The gold standard by which all others are measured

The Capintec CRC-15R Dose Calibrator is the gold standard for dose calibrators in Nuclear Medicine Departments around the world. With its industry leading reliability and engineering the CRC-15R will be there working as hard as you do.

The console of the CRC-15R is laid out for fast, efficient navigation. There are 9 factory assigned nuclide keys and 5 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-15R has 1/8" (3.2mm) mechanically reinforced lead shielding. The chamber is a sealed thin wall, deep well design with high pressure Argon gas in order to achieve optimal speed of response (within 2 seconds) without having to make temperature or pressure adjustments.

All of the hardware used in the CRC-15R is chosen with the goal of maintaining Capintec's reputation for quality and reliability. From the electronics, to the shielding, to the heavy-duty cables with the metal 9-pin connectors, the unit is built to last.

As impressive as the hardware of the CRC-15R is, the software is on an equal plane. 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 with calibration numbers and half-lives, plus available space for 10 additional nuclides. Also, with the pre/post calibration function obtaining accurate data is just a button away.

The CRC-15R is quick, reliable and cost effective. With optional features such as the RS-232 computer interface port, a selection of printers (ticket, roll or full page) or the CapMac Moly Assay canister you can configure a system that is right for your department.



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 calibration number and half-life and room for 10 additional nuclides*
- *Auto ranging*
- *Max activity up to 6.5 Ci of Tc-99m*
- *Mo-99 assay protocol with automatic calculation, using either a standard moly-shield or CAPMAC*
- *Sealed, high pressure gas filled ionization chamber (no temperature or pressure corrections required)*
- *Remote ionization chamber with 8-foot cable (longer lengths available)*
- *Menu driven programming for easy navigation*

www.jgravengaard.com 2005-10-27

J. Gravengaard Corporation

Medical Imaging Sales & Service

PO Box 20171 Portland, Oregon 97294 Nationwide (800)796-SCAN Local (503)255-0535 Fax (503)255-7047

CAPINTEC CRC-15 PET DOSE CALIBRATOR

SPECIFICATIONS:

- Ionization Chamber: Thin wall, deep well, high-pressure Argon gas [26cm (10.25") deep x 6.4cm (2.5") dia. opening]
- Chamber Shielding: 1/8" (3.2mm) mechanically reinforced lead
- Measurement Range: Autoranging, up to 240 GBq (6.5Ci) of Tc 99m maximum
- Resolution: 0.001 MBq (0.01 µCi)
- Electrometer Accuracy: Better than ±2%
- Linearity: Within ±2%
- Response Time: Within 2 seconds, For very low activity 4 or 16 sec. (user selectable)
- Nuclide Keys: 9 pre-set and 5 user defined
- Calibration Key: Over 200 Nuclides
- Printer Interface: Provided for serial printer
- System Memory: Over 80 Nuclides (w/CAL number and half-life)
- Power Requirements: 100-240 VAC 0.1A at 50/60 Hz
- 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)
- Metal cable connectors with thumb screws
- No battery required



Optional CRC-AD15 Auxilliary Display

5130-3056	CRC-15R Dose Calibrator.....	\$6,250.00
5130-0157	CRC-15E Dose Calibrator, Enhanced Software	6,745.00

OPTIONS

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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ENHANCED SOFTWARE

Increased functionality for your Capintec dose calibrator

Add more functionality to your CRC-15R Dose Calibrator with the CRC-15R ENHANCED SOFTWARE, with all of the same great features of the CRC-15R plus a few new ones.

- Inventory control
- Dose table calculations
- Newly added linearity protocol
- Radiochromatography QC package
- Built in geometry testing

The CRC-15R ENHANCED SOFTWARE will still perform the Daily QC protocol, zero adjust, background subtraction, system test, accuracy (with a deviation percentage) and constancy. In addition, the software will calculate dose tables, perform geometry tests (for between 2 and 10 measurements), do radiochromatography, calculate linearity (using standard, Lineator or Calicheck methods) and maintain a radiopharmaceutical inventory of kits or unit doses. All of the acquired data are printable.

The CRC-15R Enhanced Software is an available option in all new CRC-15R Dose Calibrators or it can be added to your existing CRC-15R.

FEATURES

- *Capintec quality and reliability*
- *Calculation of a printable dose table*
- *Inventory control - maintains inventory of unit doses and kits*
- *Linearity test - calculates a report for standard, lineator and calicheck methods*
- *Geometry test showing variations for 2 to 10 different measurements*
- *Radiochromatography of kit QC strips - one strip, two strip, HMPAO and MAG3*

STANDARD LINEARITY		
#	MEASURED	%VAR
1	50.4 mCi	2.10
2	36,5 mCi	1.85

Any key to continue

Standard Linearity test results screen

INVENTORY	
1.	ADD
2.	KIT
3.	WITHDRAW
4.	PRINT
5.	DELETE

Inventory menu screen

QC TEST	
Single Strip	
Top	(Top+Bottom)
	%
Bottom	(Top+Bottom)
	%

Any key to continue

Single Strip result screen