CAPINTEC
A MIRION MEDICAL COMPANY

BAYER

CRC®-55tPET

Dose Calibrator

For Speed and Accuracy in Measuring PET Isotopes



Features

- 8 in. color VGA touch screen display
- USB/PC Communications
- Software upgrade via USB or flash drive
- USB printer capability
- Single or optional second plug-and-play chamber with mixed chamber capability
- Chamber can be placed 100 feet from the readout unit
- Bilingual (English/Spanish) software
- On-screen display of Nuclide, Activity, Unit of Measure and Calibration Number
- Large character, high visibility display
- Full alphanumeric touchpad
- Built-in dose calibration, quality control and self-diagnostics
- Has a maximum activity up to 20 Ci of F-18
- Compatible with Nuclear Medicine Management Systems via USB
- Optional printer for regulatory records and patient labels for syringes and vials
- Over 80 nuclide symbols and half-lives in memory
- Automated geometry and linearity testing

Description

The Capintec™ CRC-55tPET dose calibrator combines the ultimate features with the quality and versatility that you've come to expect in one of the industry's finest packages. Using the menu-driven, color touch screen interface, the CRC-55tPET calibrator's reduced chamber pressure and increased bias voltage increases the maximum activity range for high energy PET isotopes. The CRC-55tPET unit's performance and reliability has been designed to meet the demanding needs for speed and accuracy in the preparation and measurement of doses in any laboratory environment.

The enhanced 55t software supports dual chamber technology with an innovative functional design that includes a large, easy-to-read display that specifies Nuclide Name, Number, Activity, Unit of Measure and Calibration Number.

Entering data through the custom touch screen interface is fast and includes 28 programmable keys. The user can select from 80 nuclides by simply selecting the nuclide symbol on the touch screen interface.

Additional capabilities include storage of reference sources in memory that automatically decay corrects for today's time and date. Automated quality control tests and self-diagnostics are built-in with automatic zero and background subtraction making the CRC-55tPET calibrator exceptionally easy to use. An optional printer enables the CRC-55tPET unit to print full size records and patient tickets with peel off labels for vial and syringe identification.

¿Se habla español? New to the 55t family is bilingual English/Spanish software!

Features including USB/PC communications, printer capabilities, USB flash drive software for upgrades and plug-and-play chamber make the CRC-55tPET calibrator an integral tool in improving your department's efficiency.

Count on us for excellence in energy measurement and unsurpassed customer service, training and support.

Disclaimer: This brochure has been originally created by the Manufacturer (Mirion) and has not been changed by the Distributor (Imaxeon)

Optional Componets



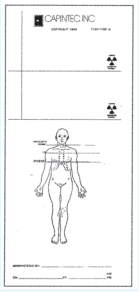
Positron Shield



Epson Roll Printer



Epson Ticket Printer



CRP-200 Dose Tickets & Labels

Specifications

Physical:

- **Console Dimensions:**
  Height: 24 cm (9.5 in.)
  Width: 23 cm (9.0 in.)
  Length: 27 cm (10.5 in.)
  Weight: 3.4 kg (7.5 lb)
- **Chamber Dimensions:**
  Height: 43.8 cm (17.25 in.)
  Diameter: 17.2 cm (6.76 in.)
  Weight: 13.6 kg (30 lb)
  Well Diameter: 6.1 cm (2.4 in.)
  Well Depth: 25.4 cm (10.0 in.)
  Cable Length[1]: 3.7 m (12 ft)
- **Cables:**
  Power[1]: 1.8 m (6 ft)
  Printer: 1.8 m (6 ft)
- **Ionization Chamber:**
  Type: Thin wall, deep well
  Fill Gas: 5 atm Ultra-Pure Argon
- **Measurement Range:**
  Type: Auto Ranging
  Activity: 20 Curies of F-18
  Resolution: 0.1 µCi (0.01 MBq), max.
- **Display Screen:**
  Type: 8 in. VGA LCD color touch screen display
  Format: Direct reading in Ci or Bq
  Bq/Ci Reading: User selectable or fixed
  Values Displayed: Nuclide name (atomic symbol, mass number), calibration number
- **Electrometer:**
  Accuracy: Better than ± 2%
  Linearity: Within ± 2%
  Response Time: Within 2 seconds, 4 to 16 seconds for very low activity samples
  Bias Voltage: +500V
- **Repeatability of Measurement:**
  Within ± 1% within 24 hours during which time the calibrator is continuously in operation
- **Overall Accuracy:**
  Accuracy Determined By:
  1. Calibration for the specific nuclide and the sample configuration
  2. Accuracies of standard sources used for calibration of electrometer
- **Tests:**
  Diagnostics: Full test of program, system memories
  Daily: Auto Zero, Auto Background, Voltage Test, Data Check, Accuracy and Constancy
  Enhanced: Linearity, Geometry

1: Longer cables are available. Consult factory.

Optional Componets



Environmental Shield



Liner



Dipper

- **Nuclear Data:**
  Nuclide Keys: 28 programmable keys
- **System Memory:** Over 80 nuclides (Cal number and half-life)
- **Standard Source Data:**
- **System Memory:** Co-57, Co-60, Ba-133, Cs-137, Na-22 standard sources
- **PC Port:**
  Interface: RS-232 and USB
  Compatibility: Standard Nuclear Medicine Management Systems
- **Printer (Optional):**
  Interface: RS-232 and USB
  Type: Epson Roll, Epson Slip or Okidata full size dot matrix
  Printing Options: Full size test reports, measured results on tickets
- **Power Requirements:**
  100-240 V ac (50/60 Hz) 100 MA

Ordering Information

5130-3235	CRC-55tPET Dose Calibrator
5130-2238	CRC-55tPET Multiple Chamber Option
7300-2903	Positron Shield
5430-0058	Epson Roll Printer
5430-0100	Epson Ticket Printer
7120-1199	CRP-200 Dose Tickets & Labels
7300-2450	Environmental Shield
7300-2004	Liner
7300-2005	Dipper

Australian Authorised Distributor
Imaxeon Pty Ltd
ABN 93 093 950 906
Unit 1, 38 - 46 South Street,
Rydalmere NSW 2116, Australia
Customer Service: 1800 633 723

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Intertek

capintec.com

Mirion Technologies (Capintec), Inc. • 7 Vreeland Road, Florham Park, NJ 07932 USA

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