

CRC®-55tR Dose Calibrator

The new Capintec CRC®-77tR provides the quality and versatility that you've come to expect from Capintec. Using the menu-driven, color touch screen interface, the CRC®-77's performance and reliability has been designed to meet the demanding needs for reliability and speed in the measurement of high and extra high activities in the unique, demanding and harsh source and radiopharmaceutical production environments.

The 77t is available in two robust models; CRC-77tHR high range model has a maximum activity range of 300 Curies. The CRC-77tHRX, extra high range model, has a maximum activity of 1,000 Curies.

The software is designed for automated Quality Assurance, and rapid repeatable measurements. The hardware is carefully designed to minimize the impact of high radiation fields upon electronics.

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®-55tR exceptionally easy to use. An optional printer enables the CRC®-55tR to print full size records and patient tickets with peel off labels for vial and syringe identification.

Features including USB/PC Communications, printer capabilities, USB flash drive software for upgrades, plug and play chamber and expanded remote capabilities make the CRC®-77t an integral tool in improving your facility's efficiency.

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

- 8" color VGA touch screen display
- On screen display of Nuclide Name, Number, Activity, Unit of Measure and Calibration Number
- Large character, high visibility display
- Over 80 Nuclides with half-lives in memory
- Full alpha numeric touchpad
- Built-in dose calibration, quality control and self-diagnostics
- Automated QC including constancy and linearity programs
- Compatible with Nuclear Medicine Management Systems via USB
- Optional printer for full size NRC records and patient labels for syringes and vials.
- USB/PC Communications
- Software upgrade via USB or Flash Drive
- USB printer capability
- Automated Geometry and Linearity Testing
- Chamber energy range: 15 keV to 3 MeV
- Maximum Activity for 77HR is 300 Curies
- Maximum Activity for 77HRX is 1,000 Curies

Console Dimensions

- Height: 24cm (9.5in)
- Width: 23cm (9.0in)
- Depth: 27cm (10.5in)
- Weight: 3.4kg (7.5lb)

Chamber Dimensions

- Height: 43.8cm (17.25in)
- Diameter: 17.2cm (6.76in)
- Weight: 13.6kg (30lb)
- Well Diameter: 6.1cm (2.4in)
- Well Depth: 25.4cm (10.0in)
- Cable Length¹: 3.7m (12ft)

Cables

- Power¹: 1.8m (6ft)
- Printer: 1.8m (6ft)

¹: Longer cables are available. Consult factory.



CRC-77t HR Dose Calibrator: Item #5130-30261
CRC-77t HRX Dose Calibrator: Item #5130-30262



CRC[®]-55tR Dose Calibrator

Ionization Chamber

- Type: Thin wall, deep well, high pressure
- Fill Gas: 1 atm Ultra Pure Argon

Measurement Range

- Type: Auto Ranging
- 77t HR Activity: 11.1 TBq (300 Ci), max.
- 77t HRX Activity: 37 TBq (1,000 Ci), max.
- 77t HR Resolution: 0.1 MBq (1 μ Ci), max.
- 77t HRX Resolution: 1 MBq (10 μ Ci), max.

Display Screen

- Type: 8" VGA LCD color touch screen display
- Format: Direct reading in Bq or Ci
- Bq/Ci Reading: User selectable or fixed
- Values Displayed: Nuclide name (Atomic symbol, Mass number), 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

Repeatability of Measurement

- Repeatability: Within $\pm 1\%$ within 24 hours, during which time the calibrator is on all the time.

Tests

- Diagnostics: Full test of program, system memories
- Daily: Auto Zero, Auto Background Adjust, Data Check, Accuracy and Constancy, Voltage Test
- Enhanced: Linearity, Geometry

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 Standard Sources

PC Port

- Interface: USB
- Compatibility: Standard Nuclear Medicine Management Systems

Printer (Optional)

- Interface: USB
- Type: HP Inkjet
- Printing Options: Full size test reports.

Power Requirements

- 100-240 VAC (50/60Hz) 90 MA

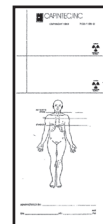
Optional Components



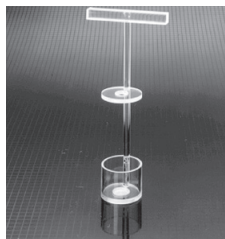
Environmental Shield:
Item #7300-2450



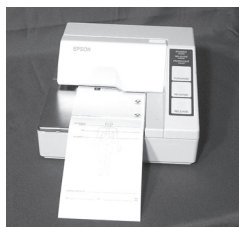
Epson Roll Printer:
Item #5430-0058



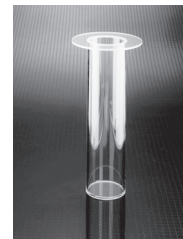
CRP-200 Dose Tickets & Labels:
Item #7120-1199



Dipper:
Item #7300-2005



Epson Ticket Printer:
Item #5430-0100



Chamber Well Insert:
Item #7300-2004

