

美国 CAPINTEC.INC CRC-25PET 进口放射性核素活度



产品简介

美国 CAPINTEC.INC CRC-25PET 活度计操作简便、设有四个预置常用的及十个用户自定义的核素键，十个键可任意随时定义内存中的核素，只需按一个键便可完成测量，使您更加轻松和便利。

功能特点

CRC-25PET 活度计可输入多达 80 个核素。并可将其半衰期储存在内存中。只需输入核素的 CAL 数，就可直接访问多达 200 个可选核素。

CRC-25PET 活度计配置

读出器一台、电离室一台、保护套桶一个

技术参数

1. SD 闪存卡软件升级；
- 2 双向 USB 和 RS-232 接口
- 3.可接 USB 打印机接口；
4. Mo-99 洗提, Tc-99m, Tc-99m/Mo-99 比率；
- 5.响应时间：（高活度样品）2 秒以内；（非常低活度样品）4-6 秒以内；
6. CRC-25PET 活度计重复性：±15%以内；
- 7.静电计精度：优于 2%；
- 8.系统线性：2%以内；
9. CRC-25PET 活度计分辨率：0.01MBq；
10. CRC-25PET 活度计测量范围：最大活度可测 F-18 CI 20；
- 11.大液晶显示核素名称、活度；
12. CRC-25PET 活度计自动调零；
- 13.具有测定所用所有同位素及其其他低能各种同位素。

14.质保期 2 年。

产品编号

5130-3217 CRC®- 25pet 校准器

可选配件

7300-2903 阳电子屏蔽

5430-0058 爱普生打印机

5430-0100 爱普生票据打印机

7120-1199 CRP-200 剂量标签

5130-2212 额外 PET 室

511 0665-2014 L-模块

5530-2077 511 可调 L-模块

备注：根据厂家技术咨询得知，如果测试活度超过 2Ci / 74GBq of FDG，可以选用 CRC-25R，低于 2Ci / 74GBq of FDG，建议选用 CRC-25PET。

CRC® -25PET DOSE CALIBRATOR



PRODUCT DESCRIPTION

The Capintec CRC®-25PET Dose Calibrator meets the demands of your Nuclear Medicine/PET Department with a host of features for optimized usage; including USB capabilities, SD flash cards for software upgrades, chamber plug-and-play, ability to add a second PET chamber, enhanced remote functionality, and more.

All nuclide data is entered via the custom keyboard that includes 9 user-definable keys. Four reference sources are stored in memory and are automatically decay-corrected for today's time and date. Its space efficient design allows for a large, easy to read display.

Dose calibration quality control tests and self-diagnostics are built in; along with automatic zero and background subtraction, making the CRC®-25PET extremely easy to use. Optional printers enable the CRC®-25PET to print full size records and patient tickets with peel off labels for vial and syringe identification.

Reduced chamber pressure and increased bias voltage increases the maximum activity range for high energy PET isotopes. Innovative designs, proven performance and the most comprehensive technical service and support system available is what you'd expect from the leader in dose calibrator design and development. For the latest technology and expert service, Count on Capintec for the proven performance of our dose calibrators and commitment to customer support!

FEATURES

Bidirectional USB and RS232 ports

SD flash card software upgrade

USB printer capability

Chamber plug-and-play capability
Intelligent, interactive remote
Both remote and chamber can be placed 100 feet from the readout unit
Selection of Nuclide and Daily Test can be done with the remote
On-screen display of Nuclide, Activity, Unit of Measure and Calibration Number
Large character, high visibility display with automatic backlighting
Automatic zero and background subtraction
Built-in dose calibration, quality control and self diagnostics
Maximum activity: 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
Standard 2 year warranty

SPECIFICATIONS

Ionization Chamber: Thin wall, deep well; Dimensions: 17.25" H x 6.75"
Dia (43.8 x 17.2 cm) dia.;
Cabling: 12' (3.7 m) interconnecting cable; Fill Gas: 5 atmospheres Argon;
Well Dia: 2.4" (6 cm); Well Depth: 10" (26 cm)

Measurement Range: Auto Ranging; Activity: 20 Curies of F-18;
Resolution: 0.1 Ci (0.01 MBq), max.

Display Screen: Dot Matrix Liquid Crystal 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 $\pm 2\%$;
Linearity: Within $\pm 2\%$;
Response Time: Within 2 sec., 4 to 16 sec. for very low activity samples;
Bias Voltage: 500V; Automated Geometry and Linearity

Repeatability of Measurement: Within $\pm 1\%$ within 24 hours during

which time the calibrator is continuously on all the time

Overall 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

Nuclear Data: Nuclide Setting

Keys: 9 programmable user keys, 4 pre-set

Standard Source Data: System Memory: Co-57, Co-60, Ba-133,
Cs-137, Na-22 Standard Sources

Rs-232 Protocol & USB Ports; Standard Nuclear Medicine Management Systems

Printer (Optional): 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 VAC (50/60 Hz) 100mA

Ability to add second PET chamber

ITEM NUMBER

5130-3217CRC®-25PET Calibrator

OPTIONAL ACCESSORIES

7300-2903Positron Shield

5430-0058Epson Roll Printer

5430-0100Epson Ticket Printer

7120-1199CRP-200 Dose Tickets & Labels

5130-2212 Additional PET Chamber

0665-2014511 L-Block

5530-2077511 Adjustable L-Block