

## 美国 CAPINTEC.INC CRC-25R 进口放射性核素活度



### 产品简介

美国 CAPINTEC.INC CRC-25R 进口放射性核素活度计操作简便、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-25R 活度计可输入多达 80 个核素。并可将它们的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-25R 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-25R 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-25R 活度计分辨率：0.01MBq；
  10. CRC-25R 活度计
- 测量范围：最大活度可测 8Ci；
- 11.大液晶显示核素名称、活度；
  12. CRC-25R 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。

**可选附件**

e5430-0058 爱普生打印机卷

e5430-0100 爱普生票据打印机

7120-1199CRC®-200 剂量纸和标签

5130-2046 CAP-MAC®-S 莫莉试验筒注射器

5130-0006 莫莉试验罐

7300-2004 筒井镶块

7300-2450 环境屏蔽装置

7300-2005 铲斗

**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 @ -25R DOSE CALIBRATOR**



### **PRODUCT DESCRIPTION**

The Capintec CRC®-25R Dose Calibrator gives you the state-of-the-art technology you' ve always expected from Capintec, plus many outstanding new features in one small package. The CRC®-25R is designed to meet the demands of your Nuclear Medicine Department with accuracy and ease of operation. With added features including USB/PC Communications and printer capability, SD flash card software upgrade, a chamber plug-and-play feature and expanded remote capabilities, the CRC®-25R will prove to be a long term asset in your workplace.

The space efficient design of the CRC®-25R allows for a large, easy-to-read display that indicates Nuclide Name, Number, Activity, Unit of Measure and Calibration Number.

All nuclide data is entered via the custom keyboard that includes 8 preset and five user-definable keys. In addition, the user can enter in over 80 nuclides by using the

Nuclide symbol such as Co for cobalt and 60 for Co 60. Calibration numbers for over 200 radionuclides are easily accessed by use of the Cal key.

Other capabilities include storage of five reference sources in memory that are automatically decay corrected for today's time and date. Dose calibration quality control tests and self-diagnostics are built-in along with automatic zero and background subtraction making the CRC®-25R extremely easy to use. An optional printer enables the CRC®-25R to print full size records and patient tickets with peel off labels for vial and syringe identification.

Innovative designs, proven performance and the most comprehensive technical system available is what you would expect from the leader in dose calibrator design and development! For premium service, Count on Capintec for our long-standing commitment to customer satisfaction and support.

## **FEATURES**

USB and RS232 port

SD flash card software upgrade

USB printer capability

Chamber plug-and-play capability

Interactive intelligent remote display

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 Name, Number, Activity, Unit of Measure and

Calibration Number

Large character, high visibility display with automatic backlighting

Over 80 Nuclides with half-lives in memory

Automatic zero and background subtraction

Built-in dose calibration, quality control and self diagnostics

Includes a pre-set key for F-18 measurements

Compatible with Nuclear Medicine Management Systems via USB

Optional printer for full size NRC records and patient labels for syringes and vials.

Inventory control

Dose table calculations

Enhanced software includes linearity and geometry protocol

Radiochromatography QC package

Built in geometry testing

Standard 2 year warranty

## **SPECIFICATIONS**

Ionization Chamber: Thin wall, deep well, high pressure

Dimensions: 26 cm (10") deep x 6 cm (2.4") dia.

Cabling: 3.7m (12') interconnecting cable

Measurement Range: Auto Ranging, up to 250 GBq (6 Ci), max.

Resolution: .001 MBq (.01  $\mu$ Ci), max.

Display Screen: Dot Matrix Liquid Crystal 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 (user selectable average period)

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

Tests: Diagnostics: Full test of program, system memories; Quarterly: Daily,

Accuracy and Linearity; Daily: Auto Zero, Auto Background Adjust, Data Check,

Accuracy and Constancy

Nuclear Data: Setting Keys: 8 Pre-set, 5 User; Calibration Key: Over 200 nuclides;

System Memory: Over 80 nuclides (w/cal number and half-life); A pre-set key

measures up to 2.0 Ci (74.0 GBq) of F-18 Standard Source Data: System Memory:

Co-57, Co-60, Ba-133, Cs-137 Standard Sources

Molybdenum-99 Assay: Methods: Canisters of CAPMAC; Measured Values:

Mo-99 elution, Tc-99m, Tc-99m/Mo-99 Ratio

PC Port: Interface: Rs-232C Protocol & USB; Compatibility: 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 (50/60Hz) 90 MA

Display Unit Dimensions: 4.75" H x 10.0" W x 10.5" D (12.1 x 25.4 x 26.7cm)

Weight: 4 lb (2 kg)

#### **ITEM NUMBER**

5130-3215 CRC®-25R Calibrator

#### **OPTIONAL ACCESSORIES**

5430-0058 Epson Roll Printer

5430-0100 Epson Ticket Printer

7120-1199 CRC®-200 Dose Tickets & Labels

5130-2046 CAP-MAC®-S Molly Assay Canister for Syringes

5130-0006 Molly Assay Canister

7300-2004 Chamber Well Insert

7300-2450 Environmental Shield

7300-2005 Dipper