

CRC®-55tW Dose Calibrator



Best of Both Worlds

- An integration of the CRC-55tR Dose Calibrator and Well Counter with chamber plug-n-play capability

Precision

- Ion chamber is capable of measuring a dose as high as 6 Ci (250 GBq) with high accuracy

User-defined Counting Protocols

- Allows the user to define specific counting procedures (protocols) with trigger levels for work, patient, unrestricted areas and sealed source leak tests

Detailed Spectrum Analysis

- The well counter includes a 256 channel MCA which provides a detailed spectrum for identification and analysis
- Manual and automatic ROI selection are available

One Year Warranty - US Only

**SPECIFICATIONS:**

Well Detector: Type: Sodium Iodide (NaI) drilled-well crystal detector

256 Channel MCA, manual and automatic ROI

Warning Trigger Levels: User-definable

Tests: Daily test, energy calibration, and reproducibility

Enhanced QC includes Chi-Square and MDA

Ionization Chamber: Fill Gas: 12 atm Ultra Pure Argon

Measurement: Auto ranging

Activity Range: Up to 6 Ci (250 GBq)

Resolution: .001 MBq (.01 μ Ci)

Response Time: Within 2 sec., for low activity sample, 4 to 16 sec. (user selectable)

Tests: Daily tests include Auto Zero, Background

Adjustment, Voltage Test, Data Check, Accuracy and Constancy

Enhanced QC includes linearity, geometry, strip QC

Display Screen: Type: 8" VGA LCD color touch screen display

Bq/Ci Reading: User selectable or fixed

Activity Display: Selected radionuclide, calibration number,

measured activity and display units (Bq/Ci)

Count Rate Values: Wipe and lab test results

Electrometer: Accuracy: Better than $\pm 2\%$.

Linearity: Within $\pm 2\%$

Repeatability: Within $\pm 1\%$ within 24 hrs, during which time calibration is powered at all times

Nuclide Data: Nuclide Setting Keys: 28 programmable keys

System Memory: Over 80 nuclides (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

Molybdenum-99 Assay: Methods: CAPMAC® & canisters

Measured Values: Mo-99 elution, Tc-99m,

Tc-99m/Mo-99 Ratio

PC Port: Interface: RS-232 & USB

Compatibility: Standard Nuclear Medicine

Management Systems; Ethernet Interface

Optional Printers: RS-232 & USB Ports

Epson Roll, Epson Slip or Okidata dot matrix

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

Power Requirements: Diagnostics: Full test of program, system memories

Tests: Power: 6 ft

Cable: Optional: Printer: 6 ft

Console Dims: Height: 9.5 in

Length: 10.5 in

Weight: 7.5 lb

Chamber Dims: Height: 17.25 in

Weight: 30 lb

Diameter: 6.76 in

Cable Length 12 ft (longer cables available)

Well Dia.: 2.4 in

Well Depth: 10 in

Well Counter Dims: Height: 9.38 in

Dia: 6 in

Weight: 15.2 lb

Well Dia: .67 in

Well Depth: 1.5 in

Cable Length 9 ft

CRC-55tW

Dose Calibrator

Includes: Ionization chamber, display screen, well counter,
PC port, chamber well insert & syringe dipper

Optional Accessories:

086-241

Replacement Chamber Well Insert

086-240

Replacement Vial/Syringe Dipper

008-015

60CC Syringe Dipper

PTI-PS

Positron Shield for Dose Calibrator Chamber

34-210

Calicheck Linearity Kit

086-242

Vial / Syringe Dipper

086-2020

20cc Syringe Dipper

5130-0006

Moly Assay Shield, Vial, .3" Lead

5130-2046

CAP-MAC-S Moly Assay Canister for Syringes

5430-0058

Epson Roll Printer

5430-0100

Epson Ticket Printer

CRP-200

Dose Tickets & Labels, 250/pk

0670-0016

Test Tubes for Samples, 250/pk

0670-0022

Test Tube Rack

5420-2072

Auxiliary Shield for Well Counter Chamber

5420-PET

PET Auxiliary Shield for Well Counter Chamber

0975-137R

Cs-137 0.5 μ Ci Rod Source for Well Counter

7900-0352

Screen Protector, 5/pk

9501-0024

12 Month Manufacturer's Service Contract After Warranty

Dose Calibrator Accessories, refer to page 5

Call Pinestar toll-free 1-800-682-2226, to place an order