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

Two 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 µCi)
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 ± 2%.
Linearity: Within ± 2%

Repeatability: Within ±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

Power Requirements: 100-240 VAC (50/60 Hz) 100 MA

Tests: Diagnostics: Full test of program, system memories

Cable: Power: 6 ft   Optional: Printer: 6ft

Console Dims:	Height: 9.5 in	Width: 9 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
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 µCi Rod Source for Well Counter
7900-0352	Screen Protector, 5/pk

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