CRC®-55tPET Dose Calibrator
For Cyclotron Facilities

Ultimate Features in the Industry's Finest Package

- 8" Color touch screen display
- Software upgraded via USB or Flash Drive
- Enhanced software supports dual chamber technology
- Capable of assaying up to 20 Ci of F-18

User-defined Hotkeys

- Touch technology provides rapid selection of isotopes
- 28 programmable keys, 80 nuclides

Enhanced Automated Software

- Automated quality control tests and self diagnostics
- Automatic zero and background subtraction
- Reference source data decay-corrected to current time/date

Two Year Warranty - US Only

SPECIFICATIONS:

Ionization Chamber: Type: Thin wall, deep well
Fill Gas: 5 atm Ultra Pure Argon

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

Display Screen: Type: 8" VGA LCD Color Touch Screen 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 ± 2%
Linearity: Within ± 2%
Response Time: Within 2 sec., 4 to 16 sec. for very low activity samples
Bias Voltage: +500V

Repeatability: Within ± 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
Enhanced: Linearity, Geometry

Nuclear Data: Nuclide Keys: 28 programmable keys
System Memory: Over 80 nuclides (Calibration number and half life)

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

PC Port: Interface: RS-232 & USB
Compatibility: Standard Nuclear Medicine Management Systems

Printer: Interface: RS-232 & USB
(Optional) Type: Epson Roll, Epson Slip or Okidata full size dot matrix
Printing Options: Full size test reports or measured results on tickets

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

Console Dims: Height: 9.5 in   Width: 9.0 in
Depth: 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

Cables: Power: 6 ft
Printer: 6 ft

CRC-55tPET   Dose Calibrator - For Cyclotron Facilities
Includes: Smart Display, ionization chamber, RS-232 port, vial/syringe dipper and well insert

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
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
7900-0352	Screen Protector, 5/pk

Dose Calibrator Accessories, refer to page 5
Call Pinestar toll-free 1-800-682-2226, to place an order