

CRC-15W[®] Dose Calibrator/Well Counter

The Capintec CRC-15W has a little of this and a whole lot of that. The CRC-15W is an innovative combination of the tried and true CRC-15R Dose Calibrator and the CAPRAC-R Well Counter. One compact package allows you to accurately measure your patient doses, achieve regulatory compliance for detection of contamination and perform lab tests.

The console of the CRC-15W is an efficiently designed control center, with its custom alphanumeric keyboard the user can toggle between the dose calibrator and well counter with the push of a button. There are 9 factory assigned nuclide keys and 5 unassigned nuclide keys that can be programmed by the user. There is a large LCD display that when operating as a dose calibrator will show the isotope, activity and calibration number; when operating as a well counter will show CPM, DPM or the 6-channel pulse height analyzer.

The ionization chamber of the CRC-15W has 3.2mm mechanically reinforced lead shielding. The chamber is a sealed thin wall, deep well design with high pressure Argon gas in order to achieve optimal speed of response (within 2 seconds) without having to make temperature or pressure adjustments.

The well of the CRC-15W is ½" lead shielding with a drilled, high sensitivity Sodium Iodide (NaI) crystal. The well crystal is sensitive enough to measure activities as low as 1 nCi in as little as 6 seconds.



CRC-15W
Dose Calibrator
and Well Counter

All of the functions of the CRC-15W are controlled through the menu driven software program. There are built in Daily QC functions and self-diagnostics for both the dose calibrator and well counter, including auto-calibration of the well. There is a library of over 80 nuclides with half-lives. The wipe tests can be divided into restricted, unrestricted, general and sealed sources, with trigger levels for each.

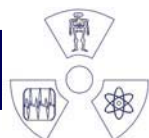
CRC-15W Calibrator

ACCESSORIES

CRC-AD15 Auxiliary Display
RS-232 Serial Port
Okidata Dot Matrix Printer
Epson Roll Printer
Epson Ticket Printer
Replacement Well Dipper

REFERENCE SOURCES

Co-57 370MBq
Cs-137 7.4 MBq



CRC-15W[®] Dose Calibrator/Well Counter

Features:

- ◆ Capintec quality and reliability
- ◆ Microprocessor controlled
- ◆ Large LCD display for nuclide data, activity (in Ci or Bq) and calibration number
- ◆ Daily QC functions, including zero adjust, background subtraction, system test, accuracy (with deviation percentage) and constancy
- ◆ Auto-calibration of the well
- ◆ Library of over 80 nuclides with calibration number and half-life and room for 10 additional nuclides
- ◆ Auto ranging
- ◆ Max activity up to 6.5 Ci of Tc-99m
- ◆ Schillings, Dicapac and blood volume lab tests
- ◆ User defined wipe test protocols
- ◆ 6-Channel pulse height analyzer
- ◆ Sealed, high pressure gas filled ionization chamber (no temperature or pressure corrections required)
- ◆ High sensitivity, drilled NaI well crystal
- ◆ Menu driven programming for easy navigation
- ◆ An unsurpassed technical support and service team

Specifications:

- Ionization Chamber: Thin wall, deep well, high-pressure Argon gas [26cm (10") deep x 6cm (2.5") dia. opening]
- Chamber Shielding: 1/8" (3.2mm) mechanically reinforced lead
- Measurement Range: Auto ranging, up to 240 GBq (6.5 Ci) Tc 99m max.
- Resolution: 0.001 MBq (0.01 μ Ci)
- Electrometer Accuracy: Better than \pm 2%,
- Linearity: Within \pm 2%
- Response Time: Within 2 seconds, For very low activity 4 to 16 sec. (user selectable)
- Calibration Key: Over 200 Nuclides
- Nuclide Keys: 9 pre-set and 5 user defined
- Printer Interface: Provided for serial printer
- System Memory: Over 80 Nuclides (w/ CAL number and half-life)
- Well detector: Drilled Sodium Iodide (NaI) crystal detector, Max count rate 60,000 cps
- Energy Discrimination: Fixed range MCA; channel windows are 15-100, 100-200, 200-400, 400-660, 660-800 and >800 keV
- Warning Trigger Levels: User-definable
- Power Requirements: 100-240 VAC 50/60, Hz 150mA
- Display Unit Dimensions: 12.1 x 25.4 x 26.7cm (4.75" x 10.0" x 10.5")
- Weight: 2kg (4lb)
- Chamber External Dimensions: 41.8 x 16.8cm (16.4" x 6.6") Weight: 15.6kg (34.3lb)
- Cables: 8' long on the chamber and 9' long on the well
- Metal cable connectors with thumb screws
- No battery required

