

Model CRC[®]-55tW

Dose Calibrator/Well Counter

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

Features

- 20 cm (8 in.) VGA Touch Screen Color Display
- 256 Channel MCA with Detailed Spectrum for Isotope Identification and Analysis
- Automated Chamber QC Including Linearity
- User-Definable Protocols for Wipe Testing
- Compatible with Nuclear Medicine Information Management Systems via Network Interface
- 80+ Nuclides in Memory
- 28 Programmable Nuclide Keys
- USB and RS232 Communications for PC and Printer
- Prints Out Hard Copy Reports of All Data with OPTIONAL Printer.



Part Number: 99-9112

Introduction

The CRC-55tW is a combination of the new CRC-55tR Dose Calibrator and Well Counter, and provides advanced features with speed and accuracy to measure activity and prepare doses. The time-tested, high-pressure ion well ion chamber is capable of measuring doses as high as 6 Ci (250 GBq) with high accuracy. It also features a chamber plug-and-play capability. The CRC-55tW has user-definable counting procedures with trigger levels for work, patient, unrestricted areas, and sealed source leak tests. Wipe tests are processed in as little as 6 seconds at activities as low as 1 nCi. A 256-channel MCA provides detailed spectrum for identification and analysis. Manual and automatic ROI selection are available. The chamber and counter of the CRC-55tW are combined in a menu-driven, touch-screen interface is easy to learn and use.

Specifications

DETECTOR: 3.8 cm (1.5 in.) NaI drilled-well crystal detector

DISPLAY SCREEN: 20.3 cm (8 in.) VGA LCD color touch screen; direct reading (user-selectable or fixed) in Bq or Ci; displayed values include nuclide, calibration number, measured activity, and display units (Bq/Ci), count rate values of wipe and lab test results

PRINTER (optional): RS-232 and USB interface, full-size test reports, measured results on tickets, Epson Roll, Epson Slip, or Okidata dot matrix printer

PC PORT: Interface: RS-232 & USP; Compatibility: Standard nuclear medicine management systems, Ethernet

DISPLAY CONSOLE: Size 42 x 23 x 27 cm (9.5 x 9.0 x 10.5 in.) (H x W x D)

Weight: 3.4 kg (7.5 lb)

CHAMBER: Size 43.8 x 17.2 cm (17.3 x 6.8 in.) (Dia x L)

Weight 13.6 kg (30 lb)

WELL COUNTER: Size 23.8 x 15.2 cm (9.38 x 6 in.) (H x D); Well Size 1.7 x 3.8 cm (0.67 x 1.5 in.) (Dia x D)

Weight 6.9 kg (15.2 lb)