

Model CAPRAC[®]-t

Wipe Test / Well Counter

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

Features

- 20 cm (8 in.) VGA Touch Screen Color Display
- Automated Well QC Including Chi-Square and MDA
- Sets User-Definable Protocols for Wipes
- USB and RS232 Communications for PC and Printer
- Printer (optional) Provides Hard Copy Reports of All Data
- 256 Channel MCA with Detailed Spectrum for Isotope Identification
- Compatible with Nuclear Medicine Information Management Systems
- Automatic Energy Calibration and Background Subtraction



Part Number: 99-9106

Introduction

The CAPRAC-t provides a menu-driven, easy-to-learn and operate touch screen interface. The well counter includes a 256 channel MCA for energy discrimination, and displays detailed photon energy spectra for isotope identification and analysis. Automatic and manual ROI selections are available. Definable efficiencies for specific radionuclides allow the CAPRAC-t to calculate results in cpm, dpm, nCi, cps, dps or kBq. The CAPRAC-t meets 10 CFR Part 35.315 requirements (200 dpm for unrestricted areas and iodine contamination).

The CAPRAC-t allows individual user-defined counting protocols for laboratory tests as well as trigger levels for work, package, unrestricted, and sealed source wipe tests. The high sensitivity drill NaI well detector performs counting functions for activities as low as 1 nCi in as little as 6 seconds.

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, Bq/Ci reading; user-selectable or fixed;

Activity Display: selected radionuclide, efficiency, measured activity and display units (Bq/Ci); Count Rate Values: wipe and lab test results

PC PORT: Interface: RS-232 & USP; Compatibility: Standard Nuclear Medicine Management Systems

PRINTER (*optional*): RS-232 & USB ports for Epson Roll, Epson Slip, or Okidata dot matrix

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

Cable: Power: 1.8 m (6 ft); Printer (Optional): 1.8 m (6 ft)

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

Weight: 3.4 kg (7.5 lb)

WELL COUNTER: Size 23.8 x 15.2 cm (9.38 x 6 in) (H x D); Well Size 1.7 x 3.81 cm (0.67 x 1.5 in.) (Dia x L)

Weight 6.9 kg (15.2 lb)

ALSO AVAILABLE:

Optional CAPRAC Printer: Model CAPRAC-PRT

CAPTUS 3000 Thyroid Uptake System

Absorbed Dose ALERT System