

CRC®-PC Smart Chamber

Capintec Innovation Network ready Remote connectivity

The new Capintec CRC®-PC Smart Chamber combines Capintec's well-known and highly reliable measurement chamber with an innovative Web based user interface to meet today's business requirements. Remote connectivity and network ready interface set the Smart Chamber apart as the most advanced in dose calibration.

Available in two fill pressures. For unit dose hot labs, the HL model provides excellent low activity sensitivity while covering a wide clinical range of activities. For radiopharmacies, the lower fill pressure of the pharmacy RPh model extends the activity range to accommodate the higher activity yields of today's generators and cyclotron sites.

The innovative functional design of the PC Smart Chamber provides a small footprint, and direct interface to Nuclear Medicine Management Systems with remote viewing capability.

Additional features include Ethernet software upgrades, plug and play chamber, user adjustable threshold for faster response.

Count on Capintec for excellence in energy measurement, and for our unsurpassed customer service and support!

Chamber Dimensions

- Height: 46.355cm (18.25in)
- Width: 17.17cm (6.760in)
- Diameter: 6.985cm (2.75in)
- Liner Insert Diameter: 6.9596cm (2.74in)
- Weight: 17.8kg (39.3lb)
- Well Diameter: 6.1cm (2.4in)
- Well Depth: 25.4cm (10.0in)

CRC®-PC Smart Chamber

- HL System- Item #5130-30255
- RPh System- Item #5130-30256
- HL Chamber- Item #5130-20253
- RPh Chamber- Item #5130-20254

- Connects to network infrastructure so that display can be viewed from any network PC (remote viewing)
- Direct interface to Nuclear Medicine Management Systems-no readout required
- Ethernet Communications
- Automated QC
- Software upgrade via Ethernet interface
- Built-in database to store QC, Moly and User Log
- Powered over Ethernet or USB port
- User adjustable threshold for faster response times
- Small footprint
- User Manual viewable on PC



CRC[®]-PC Smart Chamber

Ionization Chamber

- Type: Thin wall, deep well, sealed and pressurized
- Fill Gas: Ultra-Pure Argon

Electrometer

- Accuracy: Better than $\pm 2\%$
- Linearity: Within $\pm 2\%$
- Response Time: Within 2 sec., 4 to 16 sec. for very low activity samples

Repeatability of Measurement

- Repeatability: Within $\pm 1\%$ within 24 hours, during which time the calibrator is on all the time.

Tests

- Diagnostics: Full test of program, system memories
- Daily: Auto Zero, Auto Background Adjust, Data Check, Accuracy and Constancy, Voltage Test

Nuclear Data

- 30 User Nuclides
- Over 80 built-in nuclides (cal number and half-life)

Measurement Range

- Type: Auto Ranging
- HL (hot Lab) 6 Ci Tc-99m, 2 Ci F-18
- RPh (pharmacy) 72 Ci Tc-99m, 20 Ci F-18

Standard Source Data

- System Memory: Co-57, Co-60, Ba-133, Cs-137, Na22 Standard Sources

Molybdenum-99 Assay

- Methods: Canisters or CAPMAC
- Measured Values: Mo-99 elution, Tc-99m, Tc-99m/Mo-99 Ratio

PC Port

- Interface: Ethernet
- Compatibility: Standard Nuclear Medicine Management Systems

PC Power Requirements

- 100-240 VAC (50/60Hz) 3A max

Chamber Power

- USB: 5Vdc, 0.5A
- Power over Ethernet (PoE): 48Vdc, 0.35A

Optional Components



Molly Assay Canister:
Item #5130-0006



Environmental Shield:
Item #7300-2450



Chamber Well Insert:
Item #7300-2004



CAP-MAC-S Molly Assay
Canister for Syringes:
Item #5130-2046



Dipper:
Item #7300-2005



CAPINTEC, INC.