

Ion Chamber Positioning Cassette

Off-axis measurements -- easy, accurate and reproducible

Model 650 Ion Chamber Positioning Phantom is designed to provide an easy, accurate and reproducible method of making off-axis dose verification and calibration measurements. Its unique design offers the ability to smoothly slide the ion chamber positioning assembly within a solid phantom material in two dimensions for a measurement anywhere within the 25 x 30 cm area.

Model 650 is constructed of Plastic Water[®] that faithfully mimics water within 1% from 0.5 MeV to 100 MeV or the new DT type Plastic Water[®] developed specifically for IMRT applications that mimics water within 1% from 0.05 MeV to 25 MeV. It is suitable for use in both, photon and electron therapy. Minimum chamber depth is 3 cm, minimum scatter is 5 cm. Pegs are provided to accurately locate additional 30x30 cm buildup and scatter material. With the top plate removed, chamber depth can be as little as 1 cm.



Model 650

Ready-Pack radiographic film up to 10x12" may be placed within 10mm of the ion chamber plane for simultaneous dose distribution measurements. One ion chamber

holder machined to accommodate a specified ion chamber is included. Additional ion chamber holders machined for any ion chamber are available at extra cost.

Features

- Position ion chamber anywhere in 25 x 30 cm field
- Simple Set-up
- Accommodates any ion chamber
- Can be used with Ready Pack™ Radiographic Film

*Shown with optional
5 cm Plastic Water[®] slab.

*Tissue Simulation &
Phantom Technology*

CIRS

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Ion Chamber Positioning Cassette Specifications:

Model 650

Material: Model 650: Plastic Water® (+/-1% from 0.5 MeV to 100 MeV)

Model 650-DT: DT Plastic Water® (+/-1% from 0.05 MeV to 25 MeV)

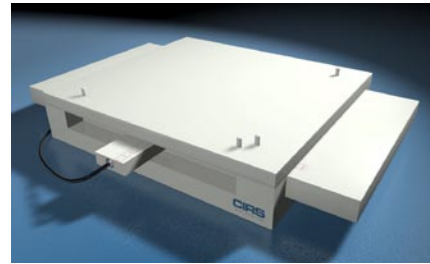
Position range: x axis: +/- 12.5 cm
y axis: +/- 15 cm

Scanning Field: 25 cm x 30 cm

Scales: cm and mm graduations

Dimensions: 36x57x8 cm overall

Weight: 13kg (28.5 lbs)



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Cassette permits for slab alignment above and below the chamber.



Ion chamber x, y coordinates are easily read with a unique embedded scale system.

