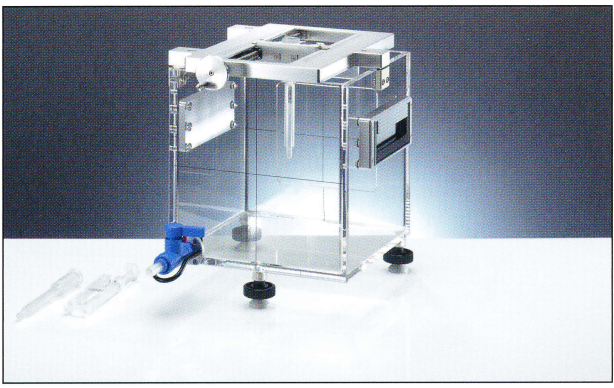
Water Phantom 41023 for Horizontal Beams



Small size water phantom with sliding caliper for absolute dosimetry with horizontal beam incidence

Features

- Suitable for calibration of ionization chambers in high-energy photon and electron beams
- Suitable for monitor calibration in water
- Makes it possible to irradiate up to three chambers simultaneously
- Makes it possible to vary the measuring depth continuously

The water phantom type 41023 is designed for calibration measurements in radiation therapy using a horizontal beam. Up to three ionization chambers (alternatively TL detectors and $FeSO_4$ ampoules) can simultaneously be placed at different water depths with a distance of 50 mm from chamber axis to chamber axis by using waterproof acrylic adapters. The measuring depth can be adjusted continuously by means of a caliper on the phantom top. Appropriate adapters enable users to position thimble chambers precisely in depths from less than 15 mm up to 260 mm and plane parallel electron chambers as well as thermoluminescent detectors from 6 mm up to 260 mm. The external phantom dimensions are approximately 30 cm x 30 cm x 30 cm. The entrance window in one of the walls has the thickness of 3 mm and the size of 150 mm x 150 mm. The phantom has two handles for easy carrying, three adjustable supports for leveling, etched cross hairs for alignment and a collision protected drain tap for emptying without tilting or changing the phantom's position.

Ordering Information

T41023 Stationary water phantom

Option

Detector adapters upon request

▸ Radiation Detectors *page 16ff.*