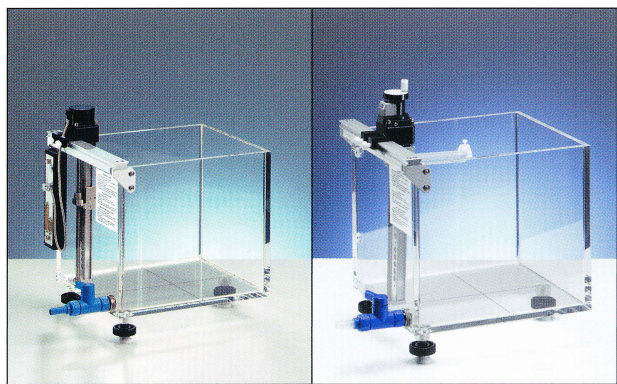


MP1, MP1-S, MP1-M Phantom Tanks



1D water phantoms for absolute dosimetry and measurement of depth dose curves

Features

- ▶ High precision 1D water tanks for absolute dosimetry and depth dose measurement of high energy photon and electron beams
- ▶ Comply with the dosimetry protocols AAPM TG-51, IAEA TRS-398 and DIN 6800-2
- ▶ Easy setup with alignment and fill lines and adjustable supports for leveling

The MP1, MP1-S and MP1-M water tanks are small 1D phantoms for depth dose measurement to determine beam qualities and measure absolute doses according to international dosimetry protocols. The tank sizes meet the AAPM TG51, IAEA TRS 398 and DIN 6800-2 requirements for absorbed dose determinations in reference conditions. MP1 and MP1-S tanks are remote controlled and require TBA electronics and MEPHYSTO mc^2 software for operation. Using the MP1-M tank the detector positions are adjusted by hand. It is equipped with a precise moving mechanism and a digital display of the detector position.

The tanks have vertical moving ranges of 254 mm and external horizontal phantom dimensions of 320 mm x 370 mm (MP1 and MP1-M) and 225 mm x 275 mm (MP1-S). Holding devices to mount semiflex, Farmer and electron chambers to the moving mechanism are available. Each phantom has three adjustable supports for levelling and a collision-protected drain tap for emptying without tilting or changing the phantom's position. Alignment and fill lines ensure an easy setup.

Ordering Information

T41019 MP1 Phantom tank

T41018 MP1-S Phantom tank

T41025 MP1-M Manual phantom tank

Chamber holding devices upon request

- ▶ UniSoft Edition 2000 *page 22*
- ▶ MEPHYSTO mc^2 Software *page 49*