



Item description

This is a water phantom for measuring absorbed dose to water in clinical radiation beams.

This phantom supports horizontal irradiation, which is unlikely to be affected by changes in water levels. Mainly used for absolute dosimetry and cross-calibration of ionization chambers.

It has a water supply and drainage port for the water circulation between the phantom and a constant temperature water bath, enabling highly accurate measurements with minimum impacts from water temperature changes.

Specifications

| | |
|----------------------------|--|
| Outer tank dimensions (mm) | W470×D478×H458 (including a horizontal balancer) |
| Weight | 17kg (including a horizontal balancer) |
| Inner tank dimensions (mm) | W300×D360×H329 |
| Tank material | Acryl resin |
| Entrance window size | 110×110mm |
| Entrance window thickness | 5mm |
| Moving range | 300mm |
| Display resolution | 0.01mm |
| Additional information | One water supply and drainage port One port for constant condition water circulation One port for overflow One thermometer holder |

*Note:

This specific model was made for the request of The National Institute of Advanced Industrial Science and Technology (AIST).

Customized specifications is available upon your request.

It comes with a holder that is customized to your ionization chamber.

Contact:

MU-Lab (Satoshi Murasawa) murasawa@mu-lab.jp

7422-16 Hata, Matsumoto City, Nagano

Tel. 080-7743-2384