

Long term
reputation in
the medical
industry.

Assurance we
will offer
competitive
pricing.

Customer
service #1
priority.

One Stop.

LACO Inc.

can do it all!



Semiflex Chambers 0.125 cm³ and 0.3 cm³

Type 31010, 31013

The semiflex chambers from PTW are designed for therapy dosimetry, mainly for dose distribution measurements in motorized water phantoms. They have a short stem for mounting and a flexible connection cable. The nominal useful energy range is from 30 keV to 50 MeV photons.

The wall material is graphite with a protective acrylic cover. The guard ring borders the measuring volume. An acrylic build-up cap for in-air measurement in Co-60 beams is included with each chamber, as well as a calibration certificate for calibration in absorbed dose to water or in air kerma. Air density correction is required for each measurement, and a radioactive check device is available as an option. Both chambers are shaped cylindrically with an inner diameter of 5.5 mm; they differ only in the length of the measuring volume. The 0.125 cm³ chamber is ideal for 3D dosimetry in a water phantom, since the measuring volume is approximately spherical resulting in a flat angular response over an angle of $\pm 160^\circ$ and a uniform spatial resolution along all three axes of a water phantom.

Features:

- Waterproof thimble chambers for measuring high-energy photon and electron radiation in air, water and phantom material
- Vented sensitive volumes of 0.125 cm³ and 0.3 cm³
- Flat energy response within a wide energy range