

# Soft X-Ray Slab Phantom



## *Small size acrylic slab phantom for soft X-ray dosimetry with soft X-ray chambers*

### Features

- ▶ Suitable for soft X-rays up to 100 kV
- ▶ Makes it possible to perform absolute dose and depth dose measurement in a solid state phantom
- ▶ Supplied with chamber adapter plate and solid housing

The slab phantom type 2962 is designed for therapy dosimetry on X-ray therapy equipment in the energy range from 7.5 kV to 100 kV bremsstrahlung. It is used for depth dose measurements and for calibration purposes, using the soft X-ray chambers type 23342 (0.02 cm<sup>3</sup>) or 23344 (0.2 cm<sup>3</sup>). The slab phantom consists of 1 plate 1 mm thick, 2 plates each 2 mm thick, 2 plates each 5 mm thick and 5 plates each 10 mm thick. This combination enables the user to vary the measuring depth from the surface to a depth of 6 cm in increments of 1 mm. To provide for backscatter, slabs are placed below the radiation detector. The size of the slabs is 13 cm x 13 cm. Two models with adapter plates are available for both above-mentioned chamber types. The slab phantom is supplied in a solid storage case, which is also used for the measurement set-up.

### Ordering Information

L981035 Acrylic slab phantom for chamber type 23342

L981034 Acrylic slab phantom for chamber type 23344

- ▶ Soft X-ray Ionization Chambers *page 21*