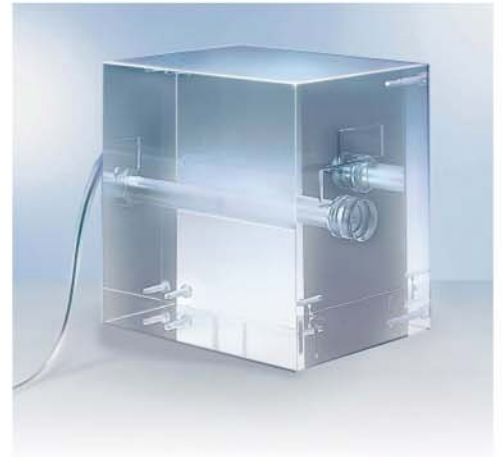


# Solid phantoms

## Standard Calibration Phantom SP 22

The SP 22 is designed for constancy checks as well as for comparison measurements of ionization chambers.

The phantom consists of a PMMA block which has a hole from one side to the other side of the phantom used to insert various ionization chamber adapters. Depending on the orientation of the phantom, thimble chambers can be placed in measuring depths of 50 mm, 70 mm or 100 mm. Two adapters can be inserted tip to tip without air gap for simultaneous irradiation of chambers.



## Plate Phantoms

The solid plate phantoms SP 33 and SP 34 are suitable for quality assurance dosimetry measurements in photon and electron beams, based on the relation between ionization chamber reading in plastic and water in the user beam with different types of ionization chambers.

The plate phantoms consist of 1 plate of 1 mm thickness, 2 plates of 2 mm, 1 plate of 5 mm and 29 plates of 10 mm. Adapter plates for various detectors are available for both phantoms.

The SP33 is made of PMMA. The SP34 is made of white polystyrene, type RW3.



## Solid plate phantoms

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	SP22	SP 33	SP 34
Material:	PMMA	PMMA	RW3
Density:	1.18 g/cm <sup>3</sup>	1.18 g/cm <sup>3</sup>	1.045 g/cm <sup>3</sup>
Measuring depth:	50,70,100 mm	1–250 mm	1–250 mm
Energy range:	<sup>60</sup> Co X-rays up to 50 MV	0.1–50 MV, 3–50 MeV	0.1–50 MV; 3–50 MeV
Exterior dimensions (LxWxH):	20 x 20 x 20 cm <sup>3</sup>	30 x 30 x 30 cm <sup>3</sup>	30 x 30 x 30 cm <sup>3</sup>
Additional plate:	20 x 20 x 3 cm <sup>3</sup>		
Weight:	7 kg	38 kg	38 kg

Technical data is subject to change without prior notice.

Configurations shown on pictures are not necessarily included in a standard system.