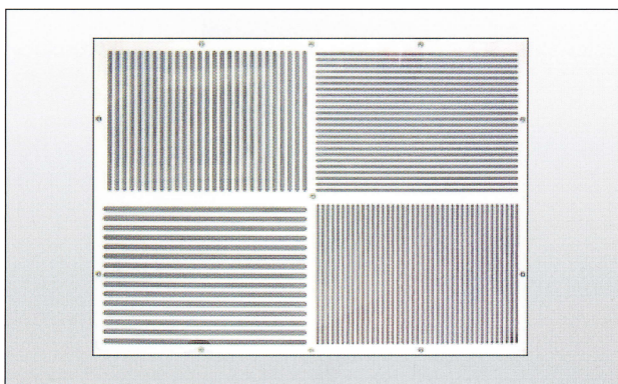


Tungsten Bar Phantom for Gamma Camera QC



Tungsten bar phantom for spatial resolution and linearity tests of planar gamma cameras

Features

- ▶ Checks the spatial resolution and the linearity of planar gamma camera images in nuclear medicine
- ▶ Ensures high precision by utilizing tungsten cast bars
- ▶ Includes four resolution quadrants
- ▶ Suitable for all current gamma camera models

The unique bar phantom uses tungsten bars instead of lead bars to achieve higher precision in spatial resolution and linearity tests of gamma cameras with planar scintillation crystal. The phantom consists of four quadrants with different bar specification:

Quadrant	Number of bars	Bar width and spacing	Bar length
Quadrant 1	41	3.2 mm	190 mm
Quadrant 2	24	4.0 mm	260 mm
Quadrant 3	28	4.8 mm	190 mm
Quadrant 4	15	6.4 mm	260 mm

The tungsten bar thickness is 5 mm and the density is 10 g/cm³. The orientation from quadrant to quadrant is 90° rotated. The cast tungsten bars are embedded in the acrylic phantom body of 1.19 g/cm³ density. The large size bar phantom offers optimum test conditions for all current gamma camera models.

The external dimensions are 54 cm x 40 cm x 1.75 cm and the weight is approx. 6 kg. Customized versions are available upon request.

Ordering Information

L991360 Tungsten bar phantom