

WEK-8109 NEMA NU2 Resolution Test Phantom

>>>Instruction<<<



The phantom used for evaluating the spatial resolution of positron emission tomography (PET) scanner

The WEK-8109 NEMA NU2 resolution test phantom is used to characterize the point spread function (PSF) width of reconstructed images from compact radiation sources.

Its design conforms to the NEMA Nu 2-2012 standard.

WEK-8109 NEMA NU2 Resolution Test Phantom, NU2 Resolution Test Phantom Technical Parameters (can be modified according to customer requirements):

- 5 capillaries, inner diameter 1 mm, outer diameter less than 2 mm
- Laterally, the capillaries are located at 1 cm (representing the center of the field of view, but offset to avoid potential deviations from the exact center of the field of view) , 10 cm, and 20 cm from the center of the plane, respectively.
- Markers are provided in the middle of the capillaries to guide the injection of radionuclides.
- Equipped with markers and a convenient base with a level for accurate positioning.
- Optional carrying case.

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Product Features:

Compliant Standards:

- International Standard: "Radionium Imaging Apparatus – Characteristics and Test Conditions – Part 1: Positron Emission Tomography", International Electrotechnical Commission (IEC), 61675-1, Geneva, Switzerland, 1998.
- *Performance Measurement of Scintillation Cameras*, NEMA Standard Publication No. NU2, National Electrical Manufacturers Association (NEMA), Washington, D.C., 2001.
- NEMA 2007/IEC 2008
- NEMA 2012/IEC 2008
- CE Certified