



Flood Phantom FP 67S

Art.-No. 550.01.06

Field of Application

Quality Assurance in Nuclear Medicine according to revised Guideline on Radiation Protection in Medicine, for weekly inhomogeneity and sensitivity control and acquisition of correction matrices.

Product Specifications

- Fully automatic mixing with integrated circulation pump
- Including air chambers for pressure compensation
- Compact, closed system
- Measuring areas made of glass/acrylic glass-composite design
- Optional: Positioning cart for different camera systems

Benefits

- ✓ Complete mixing, saving time, lower radiation exposure
- ✓ Air-bubble free field of view and no impact of temperature on the measuring result
- ✓ Contamination risk reduction
- ✓ The phantom doesn't have to be emptied after each measuring cycle
- ✓ Ensures reproducible positioning of the flood phantom during measurement.

Product Description

Regarding its dimensions the Flood phantom FP 67S corresponds to DIN 6855, Part 2 for performing constancy control of the inhomogeneity and for acquisition of correction matrices. It contains a mixing system with built-in pump. Due to its special composite design, deformation of the measuring areas is avoided by permanent water contact.

Accessories

- Positioning cart for positioning the flood phantom under the Gamma Camera
- Shielded transportation cart for transportation and radiation-free storage of the flood phantom.
- Mounting frame HR 67 for PRISM 1000/ 2000.

Specifications

Material in measuring range:	20 mm acrylic glass/glass
Measuring accuracy according to DIN:	1%
Filling medium:	distilled water
Power Supply:	low voltage (7,5V wall plug transformer)
Connected load:	primarily: 230V~ 15 VA
Mixing time:	4 minutes
Operation temperature:	15° C – 25° C
Dimensions and weight:	see chart

Dimensions and weight

Type:	FP 67S
Eff. field of view [mm]:	400 x 540
Total field of view [mm]:	440 x 580
Dimension of the cuvette [mm]:	545 x 630 x 80
Dimension with attachment parts [mm]:	635 x 630 x 90
Filling quantity approx. [liters]:	12
Weight empty approx. [kg]:	21
Operation weight approx. [kg]:	31