



Model 1 Miniature Shonka Thimble Chamber, 0.056 cc
Model A1SL Slim- Line Miniature Shonka Thimble Chamber, 0.056 cc
Model 2 Spokas Thimble Chamber, 0.5 cc



For relative dosimetry scanning and measuring points in water, air, or other phantom material.

- Axial symmetric design, homogenous construction and complete guarding for uniform field lines.
- Small volumes allow for excellent spatial resolution and exact characterization of a small area of the beam in depth- dose measurements. These chambers may also be used for high energy photon and electron beam calibration.
- Inherently waterproof construction for use in most water phantoms, eliminating the need for additional protective coverings.
- Uniform response on cylindrical axis measuring volume.
- Two separate stem pieces of 10.1 cm and 12.7 cm can be coupled together for easy mounting on Models 1 and 2.

- The Model T (tissue equivalent) and Model M (magnesium) chambers are used for boron neutron capture therapy. When used in combination, one can separate the neutron and photon contributions to the doses in mixed fields.
- The Model A1SL stem keeps the entire chamber with stem only 0.64 cm in diameter. Venting is allowed through the triaxial connection cable.
- The Model 2 Spokas Chamber is ideally suited for routine beam calibration. It is intended for exposure and air kerma measurement, as well as to facilitate the determination of absorbed dose to water. It is also suitable for pulsed radiation because of its excellent saturation.

Centroid of Collecting Volume (from tip)	1	4.0 mm	Collector Diameter	1	1.0 mm
	A1SL	4.1 mm		A1SL	1.0 mm
	2	7.0 mm		2	4.6 mm
Outside Diameter Sensitive Region	1	6.0 mm	Wall Thickness	1	1.0 mm
	A1SL	6.25 mm		A1SL	1.1 mm
	2	11.5 mm		2	1.0 mm
Nominal Leakage	<10 -15 amps		Maximum Polarizing Voltage	<1000 volts	

THIMBLE IONIZATION CHAMBERS

- 92705 Model A1, Miniature Shonka Thimble Chamber, 0.056 cc
- 92707 Model M1, Miniature Shonka Thimble Chamber, 0.056 cc
- 92706 Model T1, Miniature Shonka Thimble Chamber, 0.056 cc
- 92722 Model A1SL, Slim Line Miniature Shonka Thimble Chamber, 0.056 cc
- 92718 Model A2, Spokas Thimble Chamber, 0.5 cc
- 92719 Model M2, Spokas Thimble Chamber, 0.5 cc
- 92720 Model P2, Spokas Thimble Chamber, 0.5 cc
- 92721 Model T2, Spokas Thimble Chamber, 0.5 cc

KEY

- “A” chambers are made of C552 Shonka air equivalent plastic.
- “T” chambers are made of A150 Shonka tissue equivalent plastic.
- “P” chambers are made of D400 polystyrene equivalent plastic.
- “M” chambers are made of magnesium.

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