



Model 11 Waterproof Parallel Plate Chamber, 0.62 cc
Model 11TW Thin Window Parallel Plate Chamber, 0.94 cc
**Model A10 Waterproof Parallel Plate Electron Markus™-
 Type Chamber, 0.05 cc**



For use in routine electron beam measurements and for depth- dose studies in electron, photon, proton, and neutron beams.

- The new TG- 51 Protocol requires a parallel plate chamber for electron energies = 6MeV.
- The Model 11 is inherently waterproof without any additional cap or covering. The 11TW and the A10 require waterproof caps due to their Kapton film windows.
- Fully guarded for extremely uniform field lines and negligible variation of polarizing potential, thus polarity corrections are not needed.
- Exceptionally wide 4.14 mm guard rings exceed the benefits described in TG- 39 for 3 mm rings. This allows for no perturbation in field line, even at low electron energies, ensuring precision in depth- dose measurements.
- Strong, reliable construction with homogenous conductive plastic construction allows for little to no scatter when compared to other similar type chambers.
- Long rigid stem allows accurate positioning of the chamber. No stem effects are present.
- Energy dependence is only influenced by the stopping power correction, a type dependent correcting is not necessary.
- The chamber vents through a flexible tube that surrounds the triaxial cable. This vent tube is sealed to the chamber body and open near the connector.
- The Model 11's larger volume is ideally suited for routine electron field measurements in a water phantom. A Cobalt- 60 buildup cap is available.
- Model A10's small measuring volume allows for excellent spatial resolution. It is ideally suited

for smaller electron field measurements in a water phantom for absolute electron dosimetry calibration. A 1.0 mm waterproof acrylic buildup cap for TG-51 is included.

- Model A10 is capable of measuring in zero depth in the buildup region of an electron field.

Centroid of Collecting Volume	11	2.0 mm from surface of window	Collector Diameter	Model 11	20.0 mm
	11TW	1.5 mm from surface of window		11TW	20.0 mm
	A10	1.0 mm from inside window surface		Model 10	5.4 mm
Window Collector Gap		2.0 mm	Window Film on A10 and 11TW		3.86 mg/cm ² Kapton
Nominal Leakage	<10 -15 amps		Maximum Polarizing Voltage	<1000 volts	

92702 Model A10, Planar Electron Chamber, Markus- Type, 0.05 cc
 92701 Model A11, Spokas Parallel Plate Chamber, 0.62 cc
 92703 Model P11, Spokas Parallel Plate Chamber, 0.62 cc
 92704 Model T11, Spokas Parallel Plate Chamber, 0.62 cc
 92708 Model A11TW, Thin Window Parallel Plate Chamber, 0.94 cc
 92709 Model P11TW, Thin Window Parallel Plate Chamber, 0.94 cc
 92710 Model T11TW, Thin Window Parallel Plate Chamber, 0.94 cc
 92727 Model A15, Low Energy Parallel Plate Chamber, 2.5 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.

