

SNC600c™

The Classic Farmer Type Chamber

SNC600c is a reference class ionization chamber which follows the classic Farmer chamber design and performance, and meets IEC 60731 performance requirements. The white thimble provides high contrast with the cross hairs for easier setup verification.



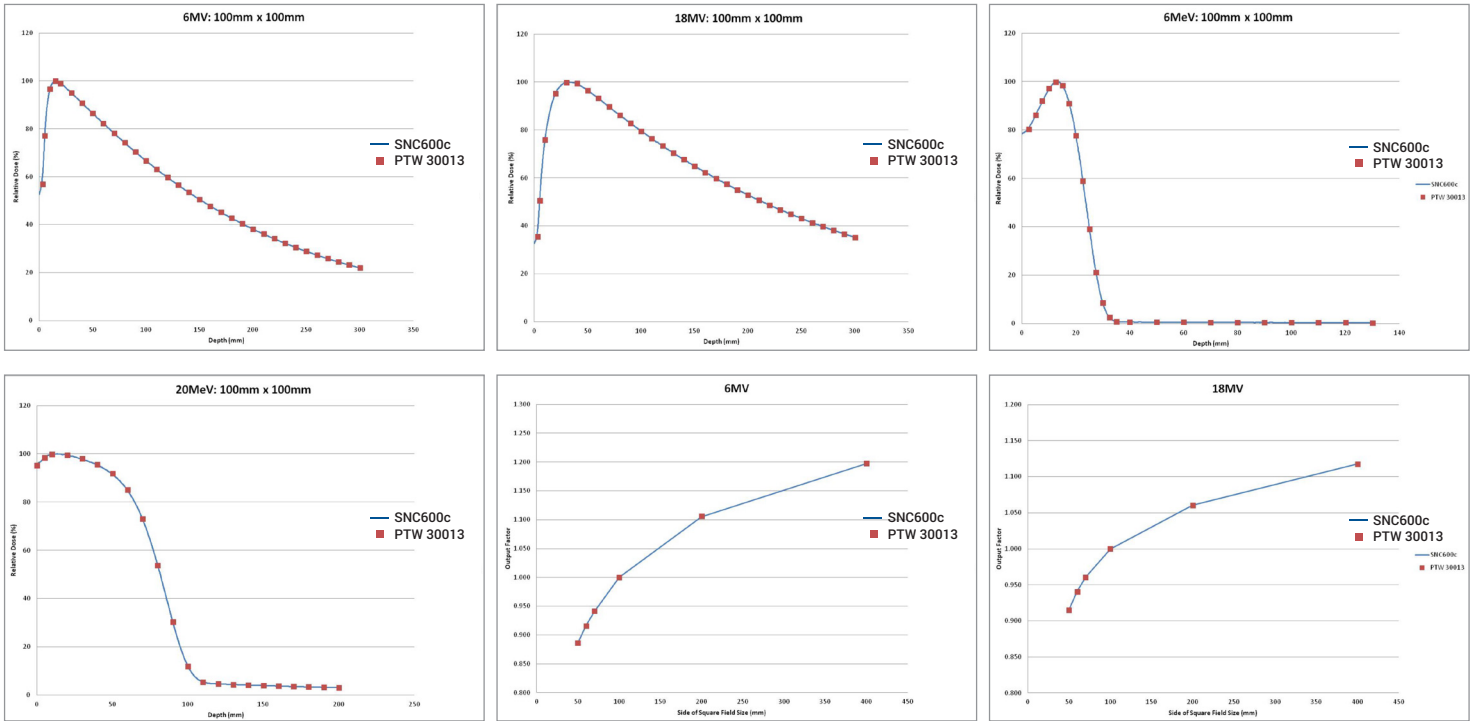
Features and Benefits

- Reference class ionization chamber (IEC 60731)
 - Beam quality correction factors (k_Q) factors available for TG-51, TRS398 and DIN 6200-1 dosimetry protocols*
- Follows classic Farmer chamber design
 - Compatible with most existing slab phantoms and detector holders
- Fully guarded, vented, and waterproof
 - Quick setup with no required wait time before measuring
- White thimble
 - For improved setup and accuracy
 - Crosshairs and lasers easily recognized on thimble
- Rotational orientation mark
 - Improved accuracy through consistent orientation that calibration laboratory uses

* k_Q data according to TRS398, AAPM TG-51 and DIN 6800-2 for Sun Nuclear's ionization chambers SNC125c and SNC600c, as well as the corresponding fit parameters can be openly accessed in *Monte Carlo calculated beam quality correction factors for two cylindrical ionization chambers in photon beams*, Alissa, et al, Physica Medica 94 (2022).

SNC600c – Proven Performance

The 600c is designed to offer the superior performance expected in a reference class Farmer type ionization chamber, with the benefit of easier setup thanks to the specially painted white thimble.



Specifications

Active Volume (cm³): 0.6	Electrode (mm): 1.1 diameter aluminum
Active Length (mm): 22.7	Vented: To atmosphere through waterproof tubing
Active Diameter (mm): 6.1	Buildup Cap (mm): 4.5
Sensitivity (nC/Gy): 20	Polarizing Voltage: ±400V Max
Wall Material (mm): Paint 0.05 Graphite 0.43	Length (m): 1.5
Energy Range: Co-60 - 25 MV 9 MeV - 25MeV	Cable Connector: TNC or BNC

