

# SNC125c™

## Enhanced Penumbra Without Signal Compromise

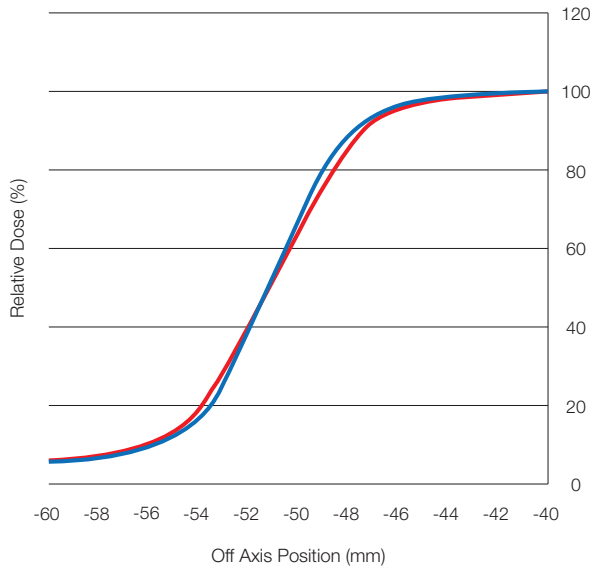
SNC125c is a waterproof, fully-guarded, thimble ionization chamber with a design that reduces the convolution of high-dose gradient regions during profile and depth measurements. It is intended for use in scanning, field, and reference dosimetry measurements.



### Features and Benefits

- Enhanced penumbra without loss of signal strength
- Easier set up
  - The seam on the chamber body between black and white indicates correct set up of the detector in relation to the detector holder<sup>1</sup>
  - The white chamber body gives a clear line of sight to the crosshairs and lasers during set up and set up verification
- True measurement
  - Using a smaller inner diameter size results in a truer measurement of high dose gradients
- Meets IEC 60731 standards for reference class dosimeters
- No need for secondary water-proofing
- Triaxial BNC and TNC type connectors available

# Chamber Comparisons When Measured by a 3D SCANNER™



Optimized to work with the 3D SCANNER, the SNC125c™ always maintains the ideal orientation while performing scans.

The SNC125c has the sensitivity of a 0.125 cm<sup>3</sup> chamber and a penumbra closer to a micro chamber.

- SNC125c (penumbra 4.6 mm)
- IBA CC13 (penumbra 5.3 mm)

## Specifications

Active Volume (cm<sup>3</sup>): 0.108

Active Length (mm): 7.05

Active Diameter (mm): 4.75

Sensitivity (nC/Gy): 3.4

Wall Material: Paint 0.05 mm  
PMMA 0.30 mm  
Graphite 0.25 mm

Electrode: 0.8 mm diameter aluminum

Vented: To atmosphere through water-proof tubing

Waterproofing: Viton tubing

Polarizing Voltage: ±400V Max

Cable Length (m): 1.5

Cable Connector: TNC or BNC

Not recommended for use in square 3D water phantoms

