

Compact Chamber EIC0125 MiniSphere 0.125 cc Ionization Chamber

The EIC0125 ionization chamber is a waterproof therapy ionization chamber for absolute dosimetry with measuring volume of 0.125 cc. The wall made of Shonka and the Aluminum electrode makes the chamber rugged for everyday use. The chamber volume is vented through the cable connector. Available connector types are triaxial TNC or BNC.

Intended Use

- ▶ Absolute Dosimetry in high energy photon and electron beams
- ▶ For use in water, solid plastic phantoms or in air

Specifications

- ▶ Air ionization chamber, thimble design, water proof, vented
- ▶ Fully guarded design
- ▶ A reliable chamber with well-known characteristics and rigid construction
- ▶ Calibration certificate for ⁶⁰Co calibration is available at an additional charge.
- ▶ Measuring quantities — Absorbed dose to water, others on request

Nominal energy range for photons	Co60 – 50 MV
Typical response	3.3 nC/Gy
Chamber voltage	300 V
Temperature range	10 – 40° C
Humidity range	10 – 80%
Connector type	BNC/TNC triaxial
Length of connection cable	200 cm



Materials

Outer electrode	Shonka (1.7 g / cm ³)
Inner electrode	Aluminum (2.7 g / cm ³)

Dimensions

Active volume	0.125 cm ³
Total active length	7.7 mm
Reference point	On chamber axis, 3.1 mm from chamber tip

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