

Technical Data Sheet

Compact Chamber EIC0125 MiniSphere, 0.125cc



- Description:

The ionization chamber EIC0125 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. EIC0125 is delivered with a calibration certificate; available connector types are triaxial TNC or BNT.

- 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
 - Supplied with calibration certificate for ⁶⁰Co calibration
 - 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: 400V
 - Temperature range 10 – 40°C
 - Humidity range 10 – 80 %
 - Connector type
 - Length of connection cable
- BNC/TNC triaxial
200 cm

- Material:

- Outer electrode
 - Inner electrode
- Shonka (1.7 g / cm³)
Aluminum (2.7 g / cm³)

- Dimensions

- Active volume
 - Total active length
 - Reference point
- 0.125 cm³
7.7 mm
on chamber axis, 3.1 mm from chamber tip