

Technical Data Sheet

Compact Chamber EIC0016 MicroSphere, 0.016cc



- Description:

The ionization chamber EIC0016 is a waterproof therapy ionization chamber for absolute dosimetry with measuring volume of 0.016 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. EIC0016 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: 400 pC/Gy
- Chamber voltage: 400V
- Temperature range 10 – 40°C
- Humidity range 10 – 80 %
- Connector type BNC/TNC triaxial
- Length of connection cable 200 cm

- Material:

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

- Dimensions

- Active volume 0.016 cm³
- Total active length 3.75 mm
- Reference point on chamber axis, 1.75 mm from chamber tip