

Compact Chamber EIC0016 MicroSphere 0.016 cc Ionization Chamber

The EIC0016 ionization chamber 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. 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	400 pC/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	0.016 cm ³
Total active length	3.75 mm
Reference point	On chamber axis, 1.75 mm from chamber tip

CNMC/DS CC EIC0016 MicroSphere 0.016cc IC(1) v.06.2019

CNMC 865 Easthagan Drive, Nashville, Tennessee 37217 USA
phone 615 391 3076 800 635 2662 fax 615 885 0285 www.cnmc.co.com

AFRICA | ASIA | EUROPE | LATIN AMERICA | MIDDLE EAST | NORTH AMERICA

© 2019 CNMC Company. All Rights Reserved. The specifications contained in this brochure are subject to change.

