

EIC300 Farmer-type 0.6 cc Ionization Chamber

The EIC300 ionization chamber is a waterproof therapy ionization chamber for absolute dosimetry with measuring volume of 0.6 cc. The wall made of POM and the aluminum electrode makes the chamber rugged for everyday use. The chamber volume is vented through the cable connector. EIC300 is delivered with a build-up cap. Available connector types are triaxial TNC or BNC.

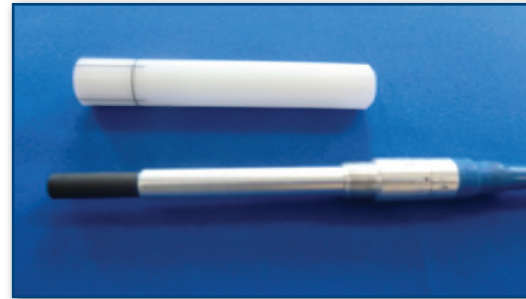
Intended Use

- ▶ 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 available at an additional charge.
- ▶ Measuring quantities — Absorbed dose to water, others on request

Nominal energy range for photons and electrons 100 kV – 35 MeV
 Typical response 21 nC/Gy
 Chamber voltage 300 – 500 V max.
 Temperature range 10 – 40° C
 Humidity range 10 – 80%
 Connector type BNC/TNC triaxial
 Length of connection cable 200 cm



Materials

Outer electrode POM (1.4 g / cm³)
 Inner electrode Aluminum (2.7 g / cm³)
 Build-up cap POM (1.4 g / cm³)

Dimensions

Active volume 0.6 cm³
 Total active length 23 mm
 Cylinder length 20 mm
 Wall thickness of build-up cap 4.0 mm
 Reference point On chamber axis,
 13 mm from chamber tip

CNMC/DS EIC300 Farmer-type 0.6cc 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.cnmcco.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.

