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authorized distributor**

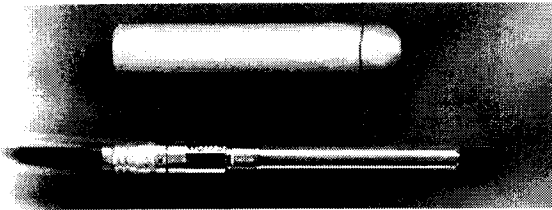
RPD Product Information

Item Number Description

300-725 Scanditronix / Wellhofer FC23-P Farmer Type Chamber

Technical description

Farmer Type Chamber FC23-C



Applications

- absolute dosimetry of photon and electron beams in radiotherapy
- measurements in air, in solid or in water phantoms

Features

- air ionization chamber
- high spatial resolution
- waterproof
- vented through waterproof sleeve
- fully guarded
- PTB approved [15.101 / 97.02]
- supplied with individual factory calibration certificate and user's guide

Material

- outer electrode
Shonka C552 (1.76 g/cm³)
- inner electrode
Shonka C552 (1.76 g/cm³)
- build-up cap for ⁶⁰Co
POM (1.42 g/cm³)

Active Dimensions

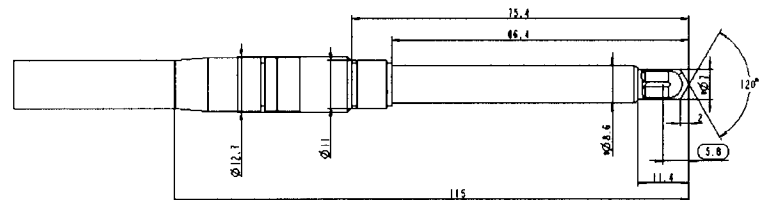
- volume (nominal) 0.23 cm³
- total active length 8.8 mm
- inner diameter of cylinder 6.2 mm
- wall thickness 0.4 mm
- diameter of inner electrode 1.0 mm
- wall thickness of build-up cap for ⁶⁰Co 3.9 mm

Cable & Connector

- connector type TNC or BNC triaxial
- cable length 1.40 m

Operational Data

- leakage current < ± 4 × 10⁻¹⁵ A
- sensitivity 7 × 10⁻⁹ C/Gy
- radiation quality (e⁻) 1.3 MeV - 50 MV
- polarizing voltage + 300 V
- reference point w/o build-up cap 5.8 mm from the distal end of the chamber
- reference point with build-up cap for ⁶⁰Co 10.8 mm from the distal end of the build-up cap



* add 0.2 mm for tolerance if you intend to make adapters
dimensions in mm