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authorized distributor**

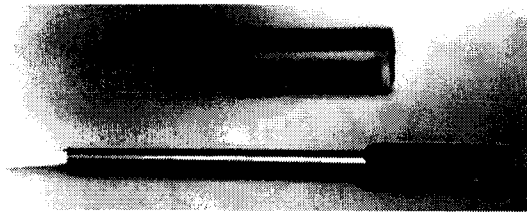
RPD Product Information

Item Number Description

300-763 Scanditronix / Wellhofer RK Compact Chamber

Technical description

Compact Chamber RK



Material

- encapsulation
Black Perspex (0.12 g/cm³)
- inner and outer electrode
50 % Epoxy resin, (0.07 g/cm³)
50 % graphite

Cable & Connector

- connector type BNC + Banana
- cable length 2 m

Applications

- relative dosimetry of photon and electron fields in radiotherapy
- field class dosimetry according to IEC 731
- suitable for high dose gradients (penumbras)
- measurements in air, in water and in solid water

Active Dimensions

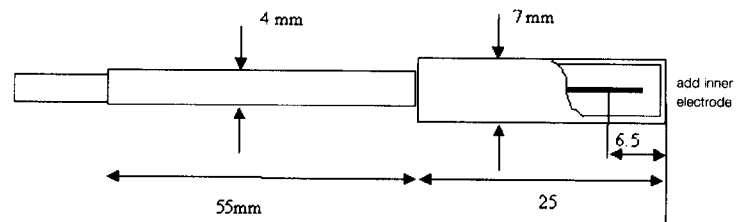
- volume (nominal) 0.12 cm³
- total active length 10 mm
- inner diameter of cylinder 4.0 mm
- wall thickness
 - encapsulation 1 mm
 - outer electrode 0.5 mm
- diameter of inner electrode 1 mm

Operational Data

- leakage current < 0.02 pA
- sensitivity 5 nC/Gy
- radiation quality 1 - 50 MeV
- polarizing voltage
 - recommended - 200 V
 - maximum 400 V
- reference point
w/o build-up cap 6.5 mm from the distal end of the chamber

Features

- air ionization chamber
- waterproof
- vented through waterproof sleeve
- fully guarded
- rugged design
- small diameter for high spatial resolution
- fulfills IEC 731 for a field class instrument



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