



Radiation Products Design, Inc.

5218 Barthel Industrial Drive

Albertville, MN 55301

www.rpdinc.com

Phone: 800-497-2071 Fax: 763-497-2295

**RPD is an
authorized distributor**

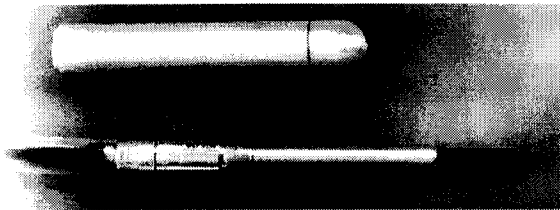
RPD Product Information

Item Number Description

300-720 Scanditronix / Wellhofer FC65-P Farmer Type Chamber

Technical description

Farmer Type Chamber FC65-P



Applications

- absolute dosimetry of photon and electron beams in radiotherapy
- measurements in air, in solid or in water phantoms
- ionization chamber for all routine applications

Features

- air ionization chamber
- with robust plastic construction for daily beam check
- waterproof
- vented through waterproof sleeve
- fully guarded
- PTB approved [15.101 / 97.03]
- supplied with individual factory calibration certificate and user's guide

Material

- outer electrode
POM (1.42 g/cm³)
- inner electrode
Aluminium (2.70 g/cm³)
- build-up cap for ⁶⁰Co
POM (1.42 g/cm³)

Active Dimensions

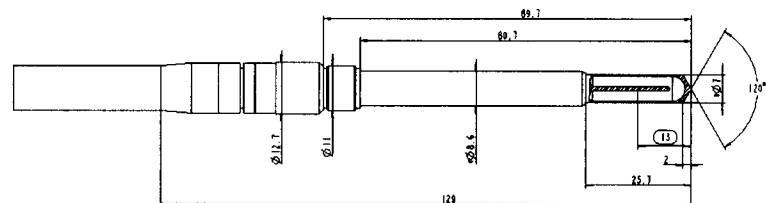
- volume (nominal) 0.65 cm³
- total active length 23.1 mm
- inner diameter of cylinder 6.2 mm
- wall thickness 0.4 mm
- diameter of inner electrode 1.0 mm
- wall thickness of build-up cap for ⁶⁰Co 3.9 mm

Cable & Connector

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

Operational Data

- leakage current < ± 4 × 10⁻¹⁵ A
- sensitivity 21 × 10⁻⁹ C/Gy
- radiation quality (e⁻) 1.3 MeV - 50 MV
- polarizing voltage + 300 V
- reference point w/o build-up cap 13 mm from the distal end of the chamber
- reference point with build-up cap for ⁶⁰Co 17 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