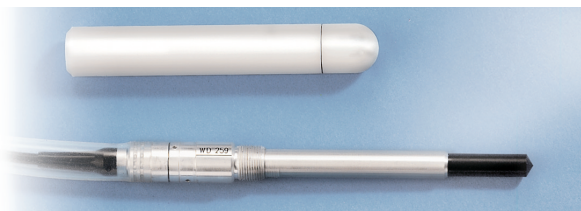


Technical description

# Farmer Type Chamber FC65-P



### Application

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

### Features

- air ionisation 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/cm<sup>3</sup>)
- inner electrode  
Aluminium (2.70 g/cm<sup>3</sup>)
- build-up cap for <sup>60</sup>Co  
POM (1.42 g/cm<sup>3</sup>)

### Active Dimensions

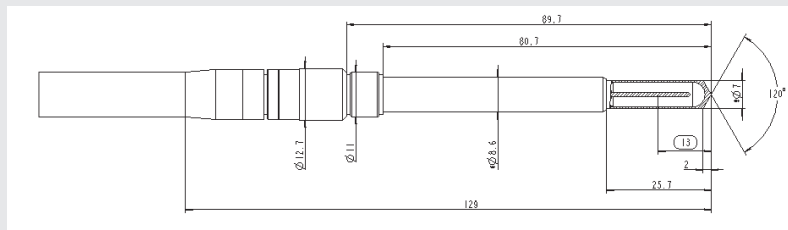
- volume (nominal) 0.65 cm<sup>3</sup>
- total active length 23.1 mm
- inner diameter of cylinder 6.2 mm
- wall thickness 0.4 mm
- diameter of inner electrode 1.0 mm
- wall thickness of build-up cap for <sup>60</sup>Co 3.9 mm

### Cable & Connector

- connector type TNC triaxial
- cable length 1.40 m

### Operational Data

- leakage current < ± 4 × 10<sup>-15</sup> A
- sensitivity 21 × 10<sup>-9</sup> C/Gy
- radiation quality (e<sup>-</sup>) 1.3 MeV - 50 MV
- polarising 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 <sup>60</sup>Co 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

Technical data subject to change without prior notice.

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