



Radiation Products Design, Inc.

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**RPD is an
authorized distributor**

RPD Product Information

Item Number Description

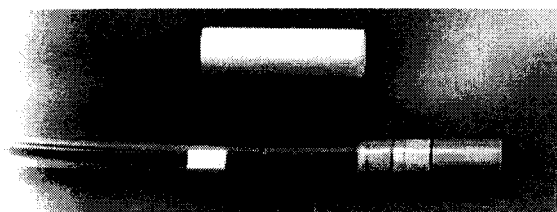
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| 300-755 | Scanditronix / WellhoferCC004 Compact Chamber |
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SCANDITRONIX

WELLHÖFER

Technical description

Compact Chamber CC04



Material

- ☐ outer electrode
Shonka C552 (1.76 g/cm³)
- ☐ inner electrode
Shonka C552 (1.76 g/cm³)

Cable & Connector

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

Applications

- ☐ relative dosimetry of photon, electron and proton beams in radiotherapy
- ☐ the conventional ionization chamber for measurements of small fields and of ranges with high dose gradients, e.g. stereotactic fields
- ☐ measurements in air, in solid or in water phantoms
- ☐ IMRT penumbra measurements

Features

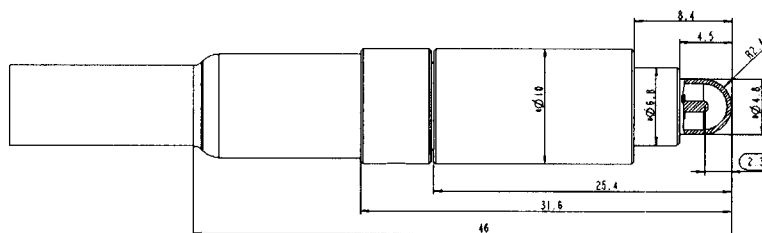
- ☐ air ionization chamber
- ☐ high uniform spatial resolution
- ☐ waterproof
- ☐ vented through waterproof sleeve
- ☐ fully guarded
- ☐ supplied with individual factory calibration certificate and user's guide

Active Dimensions

- ☐ volume (nominal) 0.04 cm³
- ☐ total active length 3.6 mm
- ☐ inner diameter of cylinder 4.0 mm
- ☐ wall thickness 0.4 mm
- ☐ diameter of inner electrode 1.0 mm

Operational Data

- ☐ leakage current $< \pm 5 \times 10^{-16}$ A
- ☐ sensitivity 1×10^{-9} C/Gy
- ☐ radiation quality (e⁻) 1.3 MeV - 50 MV
- ☐ polarizing voltage + 300 V
- ☐ reference point w/o build-up cap 2.3 mm from the distal end of the chamber



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

Technical data subject to change without prior notice.