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**RPD is an  
authorized distributor**

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**RPD Product Information**

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**Item Number Description**

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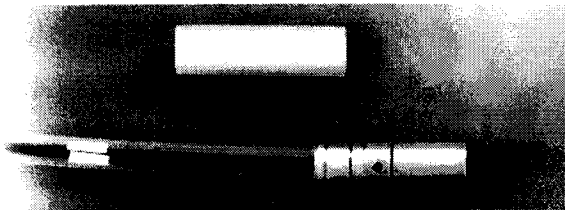
<b>300-760</b>	<b>Scanditronix / WellhoferCC008 Compact Chamber</b>
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# SCANDITRONIX

## WELLHÖFER

### Technical description

# Compact Chamber CC08



#### Material

- ☐ outer electrode  
Shonka C552 (1.76 g/cm<sup>3</sup>)
- ☐ inner electrode  
Shonka C552 (1.76 g/cm<sup>3</sup>)

#### Cable & Connector

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

#### Applications

- ☐ relative dosimetry of photon, electron and proton fields in radiotherapy
- ☐ customized applications during manufacturing and installation of linear accelerators (e.g. "Buddelship")
- ☐ measurements in air, in solid or in water phantoms

#### Active Dimensions

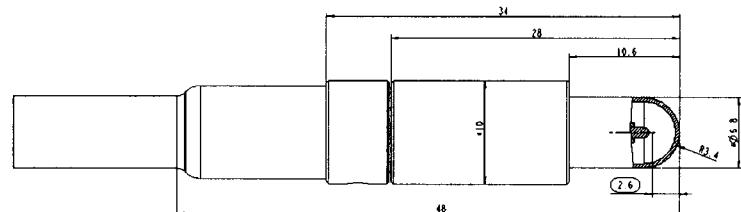
- ☐ volume (nominal) 0.08 cm<sup>3</sup>
- ☐ total active length 4.0 mm
- ☐ inner diameter of cylinder 6.0 mm
- ☐ wall thickness 0.4 mm
- ☐ diameter of inner electrode 1.0 mm

#### Operational Data

- ☐ leakage current <  $\pm 4 \times 10^{-15}$  A
- ☐ sensitivity  $2 \times 10^{-9}$  C/Gy
- ☐ radiation quality (e<sup>-</sup>) 1.3 MeV - 50 MV
- ☐ polarizing voltage + 300 V
- ☐ reference point w/o build-up cap 2.6 mm from the distal end of the chamber

#### Features

- ☐ air ionization chamber
- ☐ sphere-symmetrically designed to obtain resolution for all beam directions (axial and radial, according to ICRU)
- ☐ designed for axial beam entrance
- ☐ waterproof
- ☐ vented through waterproof sleeve
- ☐ fully guarded
- ☐ supplied with individual factory calibration certificate and user's guide



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

Technical data subject to change without prior notice.