



**Radiation Products Design, Inc.**  
**5218 Barthel Industrial Drive**  
**Albertville, MN 55301**

**[www.rpdinc.com](http://www.rpdinc.com)**

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

**RPD is an  
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**RPD Product Information**

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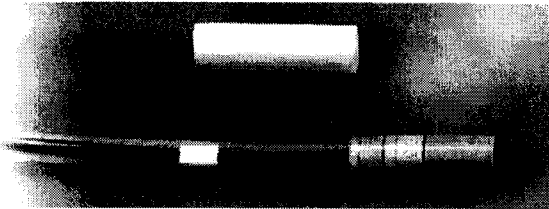
**Item Number Description**

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<b>300-750</b>	<b>Scanditronix / WellhoferCC01 Compact Chamber</b>
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## Technical description

# Compact Chamber CC01



### Material

- outer electrode  
Shonka C552 (1.76 g/cm<sup>3</sup>)
- inner electrode  
Steel (8.5 g/cm<sup>3</sup>)

### Cable & Connector

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

### Applications

- the conventional ionization chamber for measurements of small fields and of ranges with high dose gradients, e.g. stereotactic fields, IORT
- measurements in air, in solid or in water phantoms

### Active Dimensions

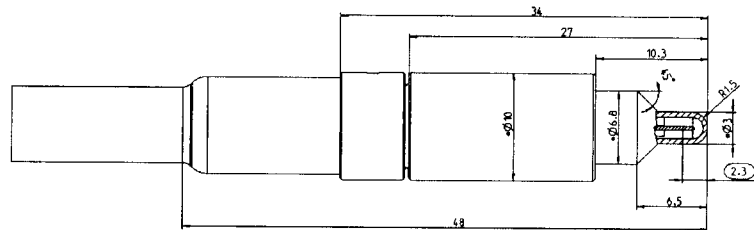
- volume (nominal) 0.01 cm<sup>3</sup>
- total active length 3.6 mm
- inner diameter of cylinder 2.0 mm
- wall thickness 0.5 mm
- diameter of inner electrode 0.35 mm

### Operational Data

- leakage current <  $\pm 7.5 \times 10^{-16}$  A
- sensitivity  $3.3 \times 10^{-10}$  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

### Features

- air ionization chamber
- high spatial resolution
- 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