



## ROOS-Type plate ionization chambers ,0.4 cm<sup>3</sup>



- Vented through waterproof sleeve
- Fully guarded
- Supplied with a <sup>60</sup>Co factor calibration certificate ( $N_{D,w}:N_k:H_{D,a}=N_{gas}$ ) traceable to PTB

This excellent air ionization chamber is designed for absolute dose measurements in water-phantom or free-air.

It is ideal for dosimetry in electron and heavy particle beams as well as photon beams.

### **SPECIFICATIONS:**

Material:

- Outer electrode: PMMA / 1.2 g/cm<sup>3</sup>
- Inner electrode: Graphit/PMMA / 1.2 g/cm<sup>3</sup>
- Connector type: BNC triaxial
- Cable length: 1.3 cm

Dimensions:

- Active volume: 0.4cm<sup>3</sup>
- Total active length: 5.8 mm
- Cylinder length: 2.8 mm
- Inner diameter of outer electrode: 6 mm
- Thickness of outer electrode: 0.4 mm
- Diameter of inner electrode: 1.0 mm
- Length of inner electrode: 7.5 mm

Operation:

Typical leakage:  $\pm 4 \times 10^{-15}$  A  
Energy range (e):  $> 2$  MeV  
Sensitivity  $12 \times 10^{-9}$  C/Gy



**Model: EW 30-716**

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