



## Farmer-Type Ionization chambers with Derrin Build-Up Cap ,0.25 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 graphite/aluminium Farmer-Type chamber is designed for absolute dosimetry in radiation beams of 100 kV to 50 MV, in both electron and photon beams.

### SPECIFICATIONS:

Material:

Outer electrode: Shonka C552 / 1.7 g/cm<sup>3</sup>

Inner electrode: Shonka C552 / 1.7 g/cm<sup>3</sup>

Connector type: BNC triaxial

Cable length: 1.3 cm

Operation:

Typical leakage:  $\pm 4 \times 10^{-15}$  A

Radiation quality: 100kV to 50 MeV

Calibration factor (nominal)  $N_{D,w}=48$  mGy/nC

Dimensions:

Active volume: 0.25 cm<sup>3</sup>

Total active length: 9 mm

Cylinder length: 6 mm

Inner diameter of outer electrode: 6.2 mm

Thickness of outer electrode: 0.4 mm

Diameter of inner electrode: 1.0 mm

Length of inner electrode: 7.5 mm

Model: 30753

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