



Proudly Made in India

ROSALINA
INSTRUMENTS

Technical description

Farmer Type Chamber FAR 65-GB

Applications

- Absolute dosimetry in radiation therapy
- Photons and High Energy Electrons.
- Traditional chamber construction for absolute dosimetry in x-rays
- Standard reference detector for reference dosimetry and scientific applications



Features

- Air ionisation chamber
- Chamber with graphite wall, for all applicable radiation conditions
- Non waterproof
- Vented through waterproof sleeve
- Guarded upto 15 mm from base
- Supplied with individual factory calibration certificate and user's guide (Provisional)

Material

- outer electrode Graphite (1.82 g/cm³)
- inner electrode Aluminium (2.70 g/cm³)
- build-up cap for ⁶⁰Co Delrin (1.42 g/cm³)

Active Dimensions

- volume (nominal) 0.65 cm³
- total active length 23.1 mm
- inner diameter of cylinder 6.2 mm
- wall thickness 0.4 mm
- diameter of inner electrode 1.0 mm
- wall thickness of build-up cap for ⁶⁰Co 3.9 mm

Cable & Connector

- connector type TNC triaxial
- cable length 1.40 m

Operational Data

- leakage current < ± 10 x 10⁻¹⁵A
- sensitivity 21 x 10⁻⁹ C/Gy
- radiation quality (e⁻) 1.3 MeV - 50 MV
- polarising voltage + 300 V
- reference point w/o build-up cap 13 mm from the distal end of the chamber
- reference point with build-up cap for ⁶⁰Co 17 mm from the distal end of the build-up cap

Preliminary Data Sheet

5 Year Warranty