

Model N23323 0.1 cc Intracavitary Ion Chamber

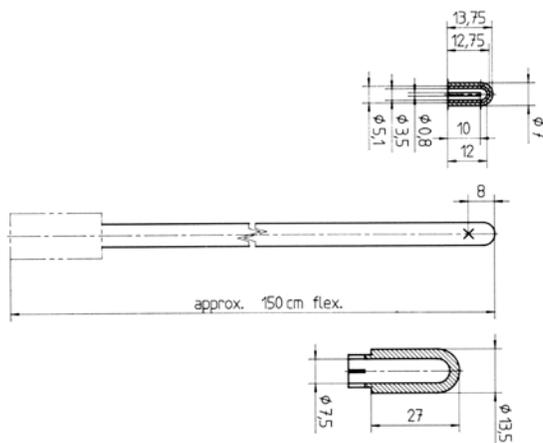
The Model N23323 is specially designed for use in intracavitary applications. It is watertight and equipped with a flexible stem so it can be inserted in the patient's rectum during afterloading treatment. It features a one-piece waterproof sleeve, and all external parts are free of high voltage.

Although the measuring volume of the chamber is closed to the atmosphere, the seal is maintained for a limited time. Typically, the internal air density will equilibrate after approximately eight hours. This feature prevents a sudden sensitivity change when the chamber is brought into contact with the patient's body.

No air density correction due to temperature or barometric pressure changes is necessary if the measurement is made within a few hours of calibrating the chamber. This is also true when the chamber is used in water, making the Model N23323 especially suitable for use in water phantom scanning applications.

Features:

- ▶ Fully guarded design
- ▶ Volume remains sealed for up to 8 hours
- ▶ Suitable for use in solid and water phantoms



Specifications

Volume:	0.1 cc, nominal
Sensitivity:	0.038 nC/cGy, nominal
Sensitive length:	12 mm
Outside diameter:	7 mm, chamber and cable
Wall thickness:	1.75 mm, 208.3 mg/cm ² , acrylic and sleeve
Electrode:	aluminum, graphite coated, 0.8 mm diameter, 10 mm long
Leakage:	±4 x 10 ⁻¹⁵ A
Polarizing voltage:	±500 V maximum
Cable type/length:	triaxial, 150 cm (5 ft)
Cable sheath:	natural rubber
Cable connector:	triaxial BNC standard, others optional

Accessories

3BM-F10	10 m extension cable, triax BNC, male/female with caps and chains (also available in custom lengths and/or mounted in a reel)
3BF-3TMF	Triaxial BNC to TNC adapter

Cables with TNC (threaded) connectors are also available.