



Radiation Products Design, Inc.

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**RPD is an
authorized distributor**

RPD Product Information

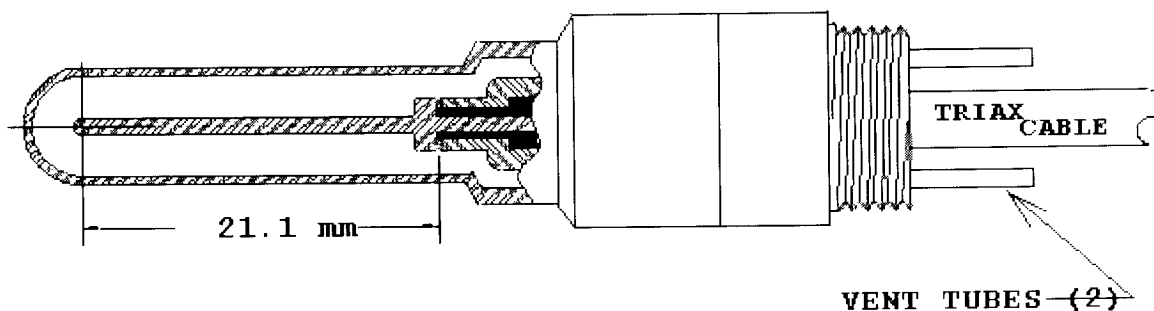
Item Number Description

300-240-A12 * Exradin Model A12 - 0.65cc Farmer Type Chamber

300-240-A12S * Exradin Model A12S - 0.25cc Farmer Type Chamber

Model 12 - Farmer-Type Chamber

- Farmer Chamber geometry
- Axially symmetric design
- Homogeneous construction
- Complete guarding
- Waterproof construction
- Gas flow capability
- Integral flexible low-noise cable
- Separable minimum scatter stem
- Matching Cobalt-60 Cap
- Handsome wooden case



Features

Collecting Volume: 0.651 cm³

Centroid of Collecting Volume: 12.9 mm from tip of chamber

Collector Diameter: 1.0 mm

Outside Diameter Sensitive Region: 7.1 mm

Wall Thickness: 0.5 mm

Wall, Collector, and Guard Material: Shonka air-equivalent plastic C552

Maximum Polarizing Potential: Greater than 1000 V

Inherent Leakage Currents: Less than 10^{-15} Amperes

Cable: 50 Ohms, 29pF/f, 2 m long

Signal Connector: Choice of coaxial and triaxial BNC plugs and jacks and triaxial TNC plug

High Voltage Connector: Integral with triaxial connectors (shell of chamber is common with connector body). Banana, MHV, and SHV plugs are also available.

Vent Tubes: Two 21 Ga stainless steel tubes which may be extended to connector via 22 Ga TFE tubing for possible immersion in liquid phantoms.

Stem: Black phenolic, 0.5 in OD by 9, 5, or 4 in long. Two-piece stem consisting of a 4 in segment at chamber and a 5 in segment threaded together is also available.