## RPD Product Information

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<td>300-240-A12</td>
<td>* Exradin Model A12 - 0.65cc Farmer Type Chamber</td>
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<td>300-240-A12S</td>
<td>* Exradin Model A12S - 0.25cc Farmer Type Chamber</td>
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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 cm$^3$

**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/ft, 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.