



Radiation Products Design, Inc.

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**RPD is an
authorized distributor**

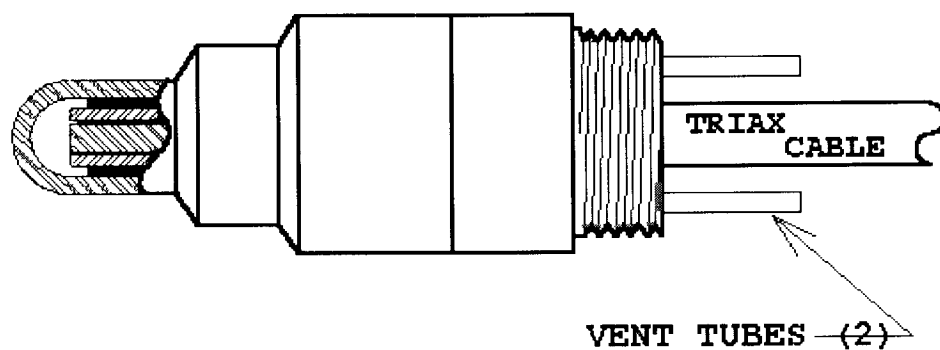
RPD Product Information

Item Number Description

300-250-A14	* Exradin Model A14 - 0.009cc Micro Chamber
300-250-A14SL	* Exradin Model A14SL - 0.009cc Slim Line Micro Chamber
300-250-T14	* Exradin Model T14 - 0.009cc Micro Chamber

Model 14 - Exradin Microchamber

- Axially symmetric design
- Extremely small gas volume
- Homogeneous construction
- Complete guarding
- Waterproof construction
- Gas flow capability
- Integral flexible low-noise cable
- Separable minimum scatter stem
- Matching equilibrium caps
- Adaptable to RSVP phantom



Features

Collecting Volume: 0.009 cm³

Centroid of Collecting Volume: Approx. 2.0 mm from tip of chamber

Collector: 1.5 mm diameter x zero length

Wall Thickness: 1.0 mm

Outside Diameter Sensitive Region: 6.0 mm

Model 14 Exradin Microchamber

Wall, Collector, and Guard Material:

Model A14 – Shonka air-equivalent plastic C552

Model T14 – Shonka tissue-equivalent plastic A150

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.