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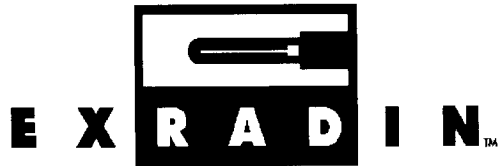
**RPD is an
authorized distributor**

RPD Product Information

Item Number Description

300-252-A14P * Exradin Model A14P - 2.3mm Planar Micro Chamber

300-252-T14P * Exradin Model T14P - 2.3mm Planar Micro Chamber



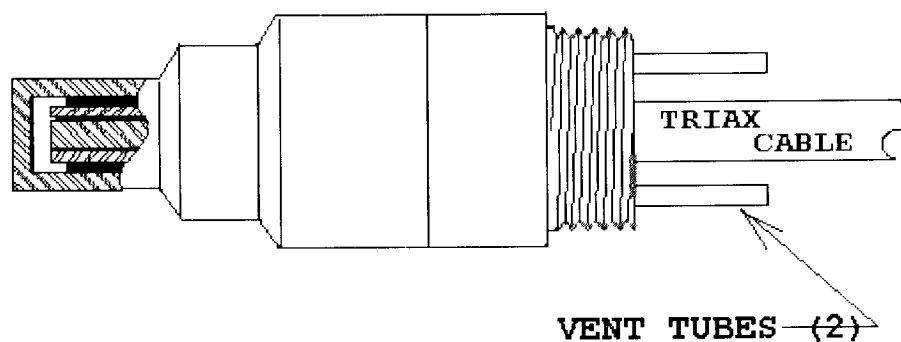
IONIZATION

CHAMBER

SPECIALISTS

Model 14P - Exradin Planar Microchamber

- Parallel-plate geometry
- 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



Features

Collecting Volume: 2.3 mm^3

Centroid of Collecting Volume: 1.5 mm from tip of shell

Collector: 1.5 mm diameter x zero length

Window Thickness: 1.0 mm

Window-Collector Gap: 1.0 mm

Exradin Planar Microchamber

Outside Diameter Sensitive Region: 6.0 mm

Window, Collector, and Guard Material:

Model A14P – Shonka air-equivalent plastic C552

Model T14P – 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.