



**Radiation Products Design, Inc.**

**5218 Barthel Industrial Drive**

**Albertville, MN 55301**

**www.rpdinc.com**

**Phone: 800-497-2071      Fax: 763-497-2295**

**RPD is an  
authorized distributor**

---

## **RPD Product Information**

---

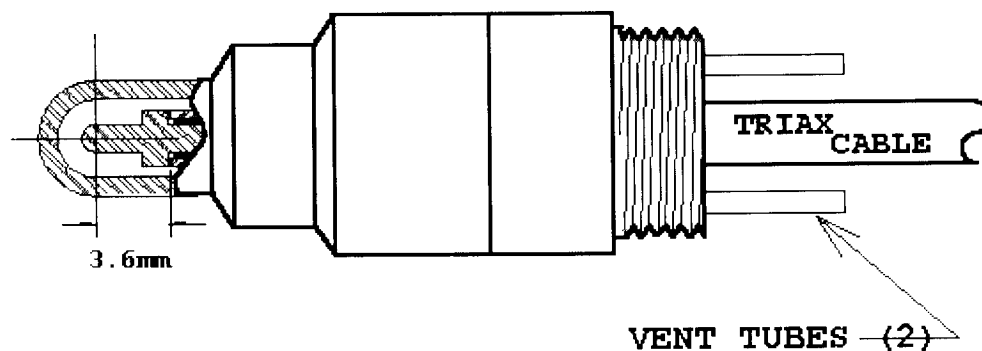
### **Item Number Description**

---

<b>300-205-A1</b>	<b>* Exradin Model A1 - Miniature Shonka Thimble Chamber</b>
<b>300-205-A1SL</b>	<b>* Exradin A1SL - Miniature Shonka Thimble Slim Line Chamber</b>
<b>300-205-M1</b>	<b>* Exradin Model M1 - Miniature Shonka Thimble Chamber</b>
<b>300-205-T1</b>	<b>* Exradin Model T1 - Miniature Shonka Thimble Chamber</b>

## Model 1 - Miniature Shonka Thimble Chamber

- Axially symmetric design
- Small gas volume
- Homogeneous construction
- Complete guarding
- Waterproof construction
- Gas flow capability
- Integral flexible low-noise cable
- Separable minimum scatter stem
- Matching equilibrium caps
- Handsome wooden case



### Features

**Collecting Volume:**  $0.05 \text{ cm}^3$

**Centroid of Collecting Volume:** 3.8 mm from tip of chamber

**Collector Diameter:** 1.5 mm

**Outside Diameter Sensitive Region:** 6.0 mm

**Wall Thickness:** 1.0 mm

**Wall, Collector, and Guard Material:**

Model A1 – Shonka air-equivalent plastic C552

Model M1 – Magnesium

Model T1 – 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.