



## Radial Detector Head for **RPC-1000**

### Beta Particulate Radial Sampling Head

The RPC-1000 Radial Head is a fully compatible beta particulate aerosol detector designed to be used in conjunction with the Charthouse RPC-1000 Controller Unit. The instrument has been developed to match the operating characteristics of the Thermo Scientific™ AMS-4 Radial Detector Head while delivering enhanced modern day design improvements and features.

## VALUE PROPOSITION

### ✔ CORE CAPABILITIES

- Direct replacement for Thermo Scientific™ AMS-4 Radial Head
- Highly visible LED alarm Indicators on all 4 sides
- Adjustable audible alarm
- Gamma area monitor functionality
- Easy opening lid allows for quick and easy filter paper replacement

### ☆ KEY BENEFITS

- Equivalent functionality and performance as compared to legacy Thermo Scientific™ AMS 4 Radial Head results in straight forward program implementation (minimum changes/training required)
- Enhanced design features as compared to legacy AMS 4 Radial Head
- Improved opening/closing of detector filter paper compartment
- SMART memory board addition results in detector head's ability to retain key calibration parameters; removes requirement to calibrate in pair with corresponding meter electronics unit
- Improved safety performance due to enhanced visual and audible features

**USER APPLICATIONS**

Provides for real-time, breathing zone samples during high risk jobs/tasks

- Ensures DAC/DAC-hr levels are below prescribed limits.

**Area monitor functionality**

- Dual detector design results in gamma area monitor functionality
- Useful for use in dynamic dose rate environments

**Emergency plan deployment**

- Ensures response workers are protected from radioactive airborne contamination levels during an effluent release



**PRODUCT INFORMATION**

<b>PART NUMBER</b>	<b>CDM91042</b>	RPC-1000 Radial Head
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**PRODUCT SPECIFICATIONS**

<b>RADIATION DETECTION</b>	<b>Detector Type</b>	2 each 5 cm (2")
	<b>Diameter Sealed Proportional</b>	(Ar/CO2) 80 kPa (600 Torr) fill pressure
<b>GENERAL</b>	<b>Dimensions (HxWxD)</b> Radial Sampling Head Size	26 x 14 x 19 cm
	<b>Window</b>	2 to 3 mg/cm2 , mica
	<b>4π Efficiency</b>	8.5% 60Co, 17% 90Sr/90Y (nominal)

**CONTACT**

**AMERICAS**

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