



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

0 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

PART NUMBER	CDM91042
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PRODUCT SPECIFICATIONS

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

