

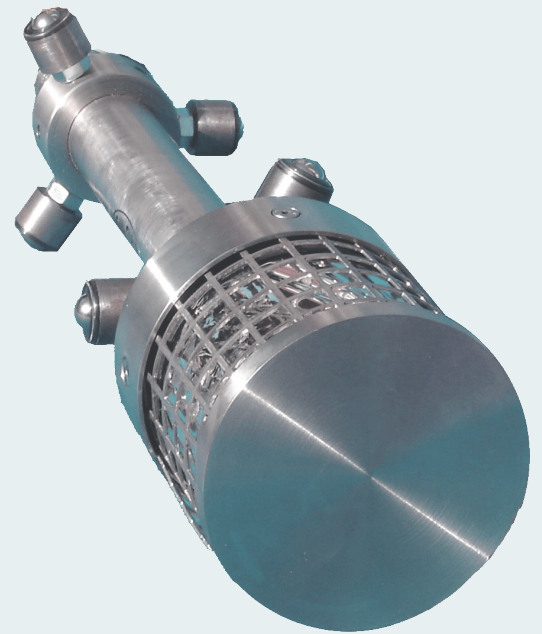
## RadMIC 3.5

- **All-round Alpha & Beta detection for pipe inspections**
- **High sensitivity scintillation detectors**
- **Ruggedised protective grille**
- **Various spiders/spacers for different diameter pipes**

The RadMIC 3.5 contamination probe is designed to pick up very low levels of alpha and beta radioactive contamination inside pipes, drains and tubulars with radial detection.

The system can be used manually with the probe and ratemeter or alternatively a fully-automated system can be supplied. The RadMIC is pushed through the scaffold or tubulars with variable spiders to keep it centred. There is a range of spiders, which can be fitted for different bore piping.

With a high efficiency and low probe maintenance costs, the RadMIC offers a simple and effective system for free release monitoring.



# Product Specifications

## Detector:

Dual or single phosphor scintillator with mylar window. Cylindrical plastic scint and ZnS coated surfaces offer radial detection.

## Probe Dimensions (Without spider)

	RadMic ¾	RadMic 1.5	RadMic 3.5
Length (cm)	22	30	35
Outer Diameter (cm)	2	4.5	9
Weight (g)	325	340	900
Detector Area (mm <sup>2</sup> )	610	3100	7500 radial

## Sensitivity:

Alpha: Am241 - 32%

Beta: Sr90 - 44%

## Temperature Range:

+5oC to +40oC (+40oF to + 105oF)

The automated system pushes the RadMIC probe through pipes / scaffolding at a steady rate of 2cm/s (adjustable) using a computer controlled winch and 4m of insulated cable.

## ALARM:

With a manual system, a standard ratemeter alarm setting is used. An automated computer controlled system will alarm and stop the pushrod, displaying the position of the contamination in the tube / scaffold on the screen.

Options:      Alpha only Detector  
                  Beta / Gamma  
                  Alpha / Beta

## Associated Equipment and Options

### RM001:

Labeled cabling with measured units of length.

### RM002:

Mylar patches and ZnS spray for probe repairs.

RadMIC is patent pending.

Due to the BIC policy of continuous R&D, changes to the specification may occur without notice.

