

RD-60 BETA  
TA DETECTOR



RD-60 BETA  
Original DETECTOR

# Particulate, Iodine and Noble Gas Replacement Detectors

For RMS Air Monitors

Models: RD-60 and RD-60HT

## Features

- Perfect Form and Fit Replacement
- 3 Detectors
- Particulate - Beta
- Iodine - Gamma
- Noble Gas - Beta
- Exact Replacement Scintillator
- Works With Standard Check Sources
- Complete Calibration and Test Reports Shipped with RD-60
- Easy Installation
- Test Data Packet with Each Probe

## Detector Application

- » For use in conjunction with a signal processor in Radiation Monitoring Systems for Nuclear Power Plants.
- » Detector life is much shorter than system life, so detectors requires periodic replacement
- » Replica detectors for RMS systems are manufactured and available from Technical Associates a Division of US Nuclear Corp.

## Description

- 3 Scintillation Detectors
  - » **Particulate Detector:**
- Scintillator-photomultiplier assembly & lead plug and handle on cable end
- Filter collects 99% or more of particulate matter greater than 0.3 microns from the sample
- Filter is viewed by a RD-60 Beta scintillator
  - » **Iodine Detector**
- A NaI(Tl) detector photomultiplier assembly & lead plug and handle on cable end
- Sample passes through replaceable charcoal cartridge which absorbs the Iodine
- Iodine is viewed with the RD-60 NaI(Tl) Gamma detector
- A single channel analyzer amplifier (SCA) such as the RM-80, monitors an adjustable typically 10%) window around the I131 photo peak
  - » **Noble Gas Detector**
- Scintillator-photomultiplier assembly & lead plug and handle on cable end
- Sample enters the shield & passes through a fixed volume chamber then exits the shield
- Fixed volume is viewed by RD-60 Beta scintillator that senses Beta particles from gaseous isotopes



**TECHNICAL ASSOCIATES  
OVERHOFF TECHNOLOGY**

7051 ETON AVENUE, CANOGA PARK, CA 91303  
PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCL