

QuickSweep™

Mobile wall/floor monitor



FEATURES

- Very high sensitivity allows reliable detection of radioactive and nuclear contaminations
- Mobile wall operation with extension rod
- detection in split seconds
- No special training required - plug and play operation
- Special background filter adapts easily to various deployment conditions
- Web interface to ease parameter setting and data transfer



The QuickSweep™ is a portable contamination monitor designed to detect alpha or beta radiation. The operational applications are in the radiation protection of buildings in controlled areas, isotope laboratories or nuclear activity research plants.

The exchangeable BetaFibre™ detectors and the state of the art microprocessor electronics represent the state of the art in mobile monitoring. The experience gained from having built such monitors for the nuclear industry for many years has enabled RADOS to design this gas-free mobile wall/floor monitor. The parameter modification and the access to the measurement results can be achieved by network connection.

TECHNICAL SPECIFICATIONS:

Feature Overview

- Proven technology for the reliable detection of contaminations
- Unique deployment system - easy mobile operation on wall and floor
- Simple operation, no specialist knowledge needed
- Network and web interfaces to ease data and parameter transfer
- New BetaFibre™ scintillation detector design
- Durable, improved light collection properties

Customer Benefits

- Locate radioactive or nuclear contaminations in your safety area
 - low detection limits due to highly sensitive detectors
 - efficient background correction methods routinely proven in nuclear power applications
 - detects common alpha and beta emitting radionuclides
 - complies to IEC60325
- Fast and easy deployment almost anywhere
 - one person operation
 - automatic background check adapts to various locations
 - operational immediately after background check
 - gasfree and battery mode enables complete standalone operation
- Simple operation - no special training required
 - push-button operation
 - deploy and ready to go

Radiological Characteristics

- 2x RADOS BetaFibre™ Detectors RFD485
- Gamma sensitivity only ~50 cps/μSv
- Sensitive detection area 970cm²
- Performance (average detector surface 1000cm²)

nuclide	efficiency	MDA
241Am	13%	< 0,05 Bq/cm ²
60Co	>6%	< 0,1 Bq/cm ²
90Sr/Y	35%	< 0,02 Bq/cm ²
137Cs	>12%	~ 0,05 Bq/cm ²

