

Product Datasheet

SaphyRAD C

Multi-probe Contamination Monitor

SaphyRAD C is a multiprobe handheld device used for the detection of alpha, beta and gamma radioactive contaminations. Its ergonomic interface and ruggedised design have been specially developed for use in harsh environment by non radiation specialists, in nuclear and NORM (Naturally Occurring Radioactive Material) industries but also in the medical field.

SaphyRAD C's wide range of contamination probes include an embedded distance control indicator. Combined with its specific algorithm, they ensure a very fast and reactive detection. Depending on the probe, the operator can either assess small or large areas, through direct control or smear test

The integrated radionuclide library of the SaphyRAD C can be supplemented by the user with other nuclides, for an adapted contamination control depending on the applications. The SaphyRAD C is also compatible with a large range of existing analog monitoring probes.







- Embedded alarm and distance control indicator.
- Adaptive nuclide library.
- Control of large and small areas.
- Ergonomic, adapted for use by non-specialists.

Accessories available

- Floor Stand (for clearance control).
- Calibration tool (for self-calibration or periodic check up).
- Smear test (for indirect measurement).
- Maintenance software (for settings and firmware upgrade).

External smart probes for contamination measurement

	AB31	A32	AB100	A/B100	AB170	A/B170	A/BG170
Probes							
Detection Area (cm ²)	31	32	100		170		
Detection Type	One measurement channel α +βγ	One measurement channel α	One measurement channel α +βγ	One measurement channel α One channel βγ	One measurement channel α +βγ	One measurement channel α One channel βγ	
Utilisation	Accurate and targeted detection	α Contamination detection		Large areas screening			

Specifications

Technical	
Measurement Modes	Direct Measurement Indirect Measurement Detection Scaler
Alarm Management	2 configurable thresholds
Profile Management	3 configurable profiles
Data Storage	On SD-card
Keyboard	6 large buttons designed for use with gloves
Radioelements	20 customisable nuclides
Display	3.5" color LCD display Automatic backlight
Batteries	Li-Ion 6.8Ah
Autonomy	Up to 45 hours
International Standard	Compliant with IEC60325
Dimensions	200 x 110 x 50 mm
Weight	650 g

Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.flir.com

Southern Scientific Limited
Scientific House, The Henfield Business Park
Shoreham Road, Henfield, BN5 9SL, UK
E-mail: info@southernscientific.co.uk
Tel: +44 (0)1273 497600
www.southernscientific.co.uk

