



SaphyRAD



Multi-probe contamination monitor

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

SAPHYRAD



Contamination monitor for alpha, beta & gamma radiations

SaphyRAD is a multiprobe handheld device used for the detection of alpha, beta and gamma radioactive contaminations. Its **ergonomic interface** and **ruggedized 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'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 can be supplemented by the user with other nuclides, for an adapted contamination control depending on the applications. The SaphyRAD is also compatible with a large range of existing analog monitoring probes.

External smart probes for contamination measurement

	AB31	AB100	A/B100	AB170	A/B170	A/BG170
Probes						
Surface of detection (cm ²)	31		100		170	
Type of detection	<ul style="list-style-type: none"> One measurement channel $\alpha + \beta\gamma$ 		<ul style="list-style-type: none"> One measurement channel α One channel $\beta\gamma$ 	<ul style="list-style-type: none"> One measurement channel $\alpha + \beta\gamma$ 		<ul style="list-style-type: none"> One measurement channel α One channel $\beta\gamma$
Use	Accurate & targeted detection	Large areas screening				

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 & firmware upgrade).

Health Physics devices

Discover Bertin Instruments' other products

MINITRACE
CSDF



Versatile multipurpose contamination & survey meter



Technical features

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 customizable 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 / WEIGHT

200 x 110 x 50 mm / 650g