

Product Datasheet

Handhound

Hand Contamination Monitor

The Handhound has been designed mainly for use in 'wet-chemistry' radio-isotope handling situations where hands could be contaminated. It has been designed to help with HSE compliance, by keeping a record of hand contamination measurements taken.

Our Radhound radiation monitoring electronics are incorporated into a stainless steel enclosure with a high sensitivity collimated detector, so that any contamination can be detected on hands.

The background is updated while the unit is not in use. A proximity sensor ensures the user's hands are underneath the detector, the user then speaks his/her name and says 'Continue'. The system will begin counting for a predetermined period, set by the supervisor.

A touchscreen interface is also incorporated, to allow configuration and manual triggering if needed.

The Handhound is mains-operated and will find application in 'wet' labs using gamma isotopes, in corridors, work areas and laboratories.



Features

- Voice operated.
- Avoids instrument contamination.
- Stainless steel, easy clean enclosure.
- Sensitive scintillation counter for gamma emitters.
- Automatic background updates.
- Alternative detector options covering wide range of nuclides.
- Automatic record keeping with data transfer for routine reporting.
- Colour display.
- Mains operated.
- Low cost.
- Designed and manufactured in the UK.

Specifications

Probe	
Detector Crystal*	32 x 2.5 mm NaI
Energy Response*	1.5 keV to 250 keV for SS404 Al 5 keV to 250 keV for SS404 Be 50 keV - 2 MeV for SS500
Sensitivity*	3.8 cps per Bq/cm ² for ¹²⁵ I 1.6 cps per Bq/cm ² for ^{99m} Tc 1.4 cps per Bq/cm ² for ⁵⁷ Co
Unit Dimensions	380 x 300 x 155 mm
Temperature Range	-10°C to +50°C
Weight	Empty: 8.8 kg Complete: 14.1 kg

* Specifications using SS404 Al probe. A full range of detectors are available.
For further information please contact our office.

Specifications are subject to change without notice.

For the most up-to-date specifications, please visit www.southernscientific.co.uk

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