

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.

## SPECIFICATIONS

Detector Crystal*	32 mm x 2.5 mm NaI
Energy Response*	15 keV to 250 keV for SS404 Al 5 keV to 250 keV for SS404 Be
Sensitivity*	3.8 cps per Bq/cm <sup>2</sup> for <sup>125</sup> I 1.6 cps per Bq/cm <sup>2</sup> for <sup>99m</sup> Tc 1.4 cps per Bq/cm <sup>2</sup> for <sup>57</sup> 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.  
Full range of alternative detectors available.

## 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



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