

# 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

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Probe	
<b>Detector Crystal*</b>	32 x 2.5 mm NaI
<b>Energy Response*</b>	15 keV to 250 keV for SS404 Al 5 keV to 250 keV for SS404 Be 50 keV - 2 MeV for SS500
<b>Sensitivity*</b>	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
<b>Unit Dimensions</b>	380 x 300 x 155 mm
<b>Temperature Range</b>	-10°C to +50°C
<b>Weight</b>	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](http://www.southernscientific.co.uk)

**Southern Scientific Limited**  
Scientific House, The Henfield Business Park  
Shoreham Road, Henfield, BN5 9SL, UK

**E-mail:** [info@southernscientific.co.uk](mailto:info@southernscientific.co.uk)

**Tel:** +44 (0)1273 497600

**Fax:** +44 (0)1273 497626

**[www.southernscientific.co.uk](http://www.southernscientific.co.uk)**

