



A powerful general purpose nuclear radiation monitor suitable for use with Geiger and Scintillation probes to measure alpha, beta and gamma radiation.

This cost effective, feature packed instrument is simple and easy to use. Count rate is displayed in large clear numbers and also on a bar scale.

Our smart averaging software means a steady display that can be read with confidence, yet provides a fast response.

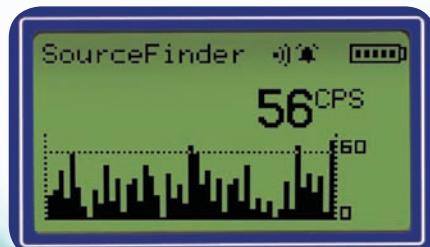
For source finding, one button push changes the display to a histogram plot. Alpha and Beta/Gamma counts can be displayed separately or on the same screen.

For surveying Radhound also has a time to count function.

FEATURES

- Low cost and easy to use
- Clear digital LCD display with backlight
- GM and Scintillation detector options
- Scaler timer function
- Ergonomic tilt stand
- Wall mountable
- Fully adjustable alarm levels
- CE marked

The Radhound is designed, built and tested in the UK by Southern Scientific Ltd.



SOURCE FINDER SCREEN



INTEGRATOR SCREEN

APPLICATIONS

- Health physics: for contamination monitoring on surfaces, clothing and objects etc.
- Nuclear medicine departments, suitable for ^{125}I , ^{99}Tc etc.
- Radiological survey work and lab use
- Emergency planning, response and clean up
- Research applications

SPECIFICATION

Units	CPS, CPM, $\mu\text{Sv}/\text{hr}$ with autorange
Display	Clear backlit LCD display
Controls	Power, up, down, OK (menu keys)
Environmental	Operating temperature -10°C to +50°C Storage temperature -25°C to +60°C In conformity with EMC directive (89/336/EEC) as amended by Directive 92/31/EEC Low Voltage Directive (73/23/EEC), EN61326-1,EN61000-3-2, EN6100-3-3. (CE mark). Designed to meet IEC 60325-2006 and IEC 60846-2004 Nuclear Instrumentation Standards
Power	Lithium Ion rechargeable, typically >12 hours continuous use. Charger supplied
Cleaning	Radhound is chemical resistant, and can be cleaned with Alcohol wipes
Mechanical	Dimensions 160 x 250 x 85 mm Approx (with stand)
Range	Typically 0 to 99,999 counts per second (range and units are software selectable depending on probe)
Response Time	0.5 seconds Averaging: 5, 10, 15 seconds Integration time up to 24 hrs
Functionality	Rate, histogram, timed count, count to time, time remaining to dose, alpha beta discrimination (depending on probe)
High Voltage	350 - 1200V selectable in menu (can be locked)
Averaging	'Smart Averaging' provides fluid number change, whilst retaining a response time adjustable between slow, medium and fast

The Radhound can be used with third party detectors, please contact us to check compatibility

SCINTILLATION PROBES

A number of scintillation probes are available for sensitive contamination measurements of Alpha and Beta/Gamma radiation.

SS404 Al: 32 x 2.5 mm low energy gamma scintillation probe

SS404 Be: 32 x 2.5 mm very low energy gamma scintillation probe

SS440 B: Beta scintillation probe. Area 20 cm²

SS500: NaI (Tl) 25.4 x 25.4 mm gamma probe

SS600: A/B/AB: Alpha, beta, alpha/beta dual phosphor. Area 100 cm²

SS700: A/B/AB: Alpha, beta, alpha/beta dual phosphor. Area 50 cm²

GEIGER PROBES

SS300: Pancake Geiger for alpha, beta and gamma radiation

SS315: End window for alpha, beta and gamma radiation

SS330: Compensated pancake Geiger for ambient gamma radiation H*(10)

SS335: Compensated end window Geiger for ambient gamma radiation H*(10)

SS340: Side on window Geiger for ambient gamma radiation H*(10)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office
Keison Products,
P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.
Tel: +44 (0)330 088 0560
Fax: +44 (0)1245 808399
Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.