

RadSurvey is a popular radiological mapping system. Simple to use, light weight and fully weather proof, the unit utilises state of the art Trimble GPS technology and a 3" Nal detector to obtain precise radiological mapping information. The system gives an unprecedented improvement in survey times over traditional systems.

As well as being a very sensitive radiation monitor, the system has a powerful multi channel analyser mode (MCA), which can be used in the field (or spectrums can be saved for later analysis), the user can automatically snap the cursor to view peak energies and easily count over ROIs.

The system consists of a 3" (or 2") Nal detector with an adjustable carrying handle and a powerful Trimble GeoXT handheld GPS/ computer running the RadSurvey software (The Trimble GPS has very good sub metre accuracy).

® Trimble

RadSurvey gathers radiological information together with positional data (e.g. OSGB or Lat, Long), which is displayed on the screen and stored as a CSV (text) file on an SD card.

The data can later be transferred to a PC with all popular GIS mapping software, to produce a visual radiological survey map, which can be used in reports.

### **FEATURES**

- Handheld, lightweight and easy to use
- Robust and weatherproof •
- Count rate display with alarms
- Spectrum analysis (MCA)
- Status and Position display
- Stores data onto SD cards (CSV etc.) •
- Long battery life
- Sub meter accuracy Trimble GPS •
- Vehicle mounting/detector options are available

## ACTUAL RADSURVEY DATA



# **SPECIFICATIONS**

Detector	3" Nal (2" options available)
Typical Minimum Detectable Activities (soil)	<sup>137</sup> Cs 4.1 kBq
150 mm Source-detector separation	<sup>60</sup> Co 2.0 kBq
	<sup>226</sup> Ra 2.5 kBq
Typical Minimum Detectable Activities (soil)	<sup>137</sup> Cs 107 kBq
Buried 150 mm deep	<sup>60</sup> Co 31 kBq
	<sup>226</sup> Ra 87 kBq
Operating Temperature Range	-10°C to +50°C
Frame	Weather proof, anodised carry frame
Battery Life	8 hours

#### OTHER CONFIGURATIONS ARE AVAILABLE ON REQUEST

**GPS DATA SCREEN** 

🚰 radSurvey

14

90°

11

270°

7

dBHz

**223** 

**GPS Status** 

**O** 

E

### **APPLICATIONS**

- Environment control
- Site investigation or • remediation work
- Waste monitoring
- Leak identification
- Emergency response or cleanup
- Lost material investigation
- Prospecting
- Homeland security

Status

Created Duration

Records

Storage

PDA

Status

Position



#### battery-power test 1 7 11 14 Collecting Data 3D-DGP5 sv05:08 19/05/2004 09:57:39 [GGA:11:05:02] [0680:4.0s] St. Catherine's pd:7.0 hd:6.6 vd:2.4 sog:0.5km/h 38.4\* 50.835286\* N 0.338987\* W 14.86m 1h 47m 55s 6475 (marked:4 lost:0) Status TTY Device Setup Filter 146.55 hours free Done Cancel Battery Good 48% Trimble ProXR 3D-DGPS [sv05 db0680] N 50.835278° Lat W 0.338956° Long



### **COLLECTING SURVEY** DATA



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