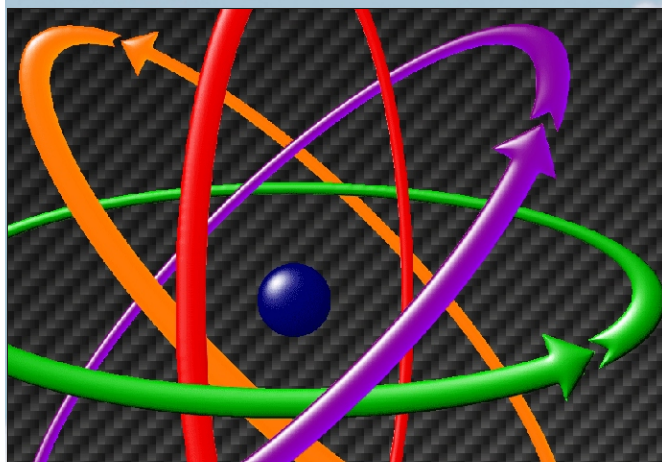


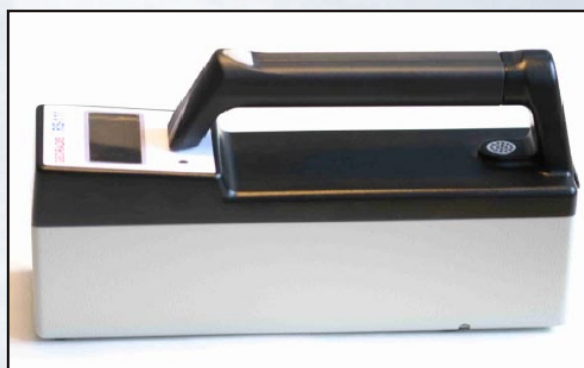
For Use In

**Nuclear facilities • Scrap metal recycling plants • Recycling facilities
Waste management • Production facilities • Geophysical applications
Security and surveillance operations • Hospitals and special laboratories**



RS-111 Handy-SCINT

Compact Handheld Radiation Detector



Features include

- **Good sensitivity with 1.3cu ins NaI/Tl crystal**
- **LCD display maximum 19999 cps**
- **Loud audio output for eyes-free searching**
- **Display updates at 1/sec**
- **Audio sampling rate = 4/second for fast response**
- **Adjustable audio threshold**
- **Automatic warning of high dose rate**
- **Plastic protection boot**
- **Splashing water and dust resistant (IP66)**
- **Lightweight and well balanced 2.4 lbs**
- **Fully automatic charger integrated in unit**
- **Supplied in aluminum suitcase with molded insert**

RS-111 Small, light and compact

The RS-111 HANDY SCINT is a compact hand held radiation detector specially designed to quickly determine the location of radioactive material. The unit is easy-to-use and is very suitable for rapid SEARCH and LOCATE detection of gamma ray emitting radioactive sources in suspect vehicles or materials. The small size and light weight of the RS-111 together with the balanced handle and single thumb button, allows easy one handed operation. The single ON/OFF button also allows easy set up of a limited number of working parameters.

The RS -111 features a large numeric LCD display showing, actual counts per second (cps) or (optionally) Dose Rate (based on equivalence to Cs 137). For eyes-free operation the unit has a loud variable pitch audio tone, proportional to the intensity of the gamma radiation detected. The threshold for audio indication is adjustable manually or automatically to compensate for local background interference. The audio indication can be switched off if required.

For working in potentially dangerous situations, a maximum allowed dose rate or cps rate can be set. If the dose rate or cps rises above this level it triggers an automatic acoustic alarm warning for user protection.



RADIATION SOLUTIONS INC

RS-111 Handy-SCINT

Compact Handheld Radiation Detector



The RS-111 HANDY SCINT has a dustproof, shower proof, lightweight aluminium case. A detachable plastic boot with carrying strap provides additional protection for difficult situations.

The unit is powered by four AA type batteries. A fully automatic charger is integrated in the unit for use with rechargeable (NiMH) batteries. Alkaline can also be used if necessary (but not recharged). The RS-111 is supplied in an aluminum carrying case.

Technical data:

Detector:

- NaI(Tl), dimensions 30 x 30 mm (1,18" x 1,18")
21.2 cm³ (1.3 in³) integrated with bi-alkali photomultiplier

Sensitivity:

- 60 cps/1MBq for Cs-137 unshielded at 1 m

Energy response:

- 30 keV - 3,5 MeV

Acoustic indication:

- Miniature piezo speaker with audio frequency proportional to count rate

Display:

- 7 segment LCD, - 4 1/2 segments, maximum counts 19999, reflective for good outdoor visibility



Control:

- Single push button, thumb activated
- ON/OFF function and background reset

Power supply:

- 4 "AA" type battery rechargeable (NiMH) or Alkaline.
- Battery life typically:
50 hours at 20 °C for NiMH battery
80 hours at 20 °C for alkaline battery
Battery charger is built into the unit

Temperatures:

- Working temperature range: -10 °C - +50 °C
- Storage temperature range: -20 °C - +60 °C

Dimensions:

- 2.6"W (65 mm), 5.7"H (145 mm), 8.7"L (220 mm)

Weight:

- 2.9 lbs (1.3 kg) including the batteries

Standard accessories:

- RS 111 Handy Scint
- Protection boot
- 4 rechargeable batteries
- AC charger
- User manual
- Aluminum carrying case

Optionally:

- RS 111T with telescopic detector extension



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Radiation Solutions Inc. is a Canadian company specializing in nuclear instrumentation for the detection, measurement and analysis of low level ionizing radiation from both naturally occurring or man made sources.

RSI's focus is the design and manufacture of airborne and mobile systems using advanced DSP (Digital Signal Processing) technology. This technology provides a level of quality previously only attainable in laboratory equipment.

RSI's philosophy is to work as closely as possible with customers in all aspects of the product life cycle including; product requirement, application, training, support and product improvement. It is this philosophy that will enable RSI to supply industry leading software techniques and hardware components that not only meet, but exceed the customer's requirements.