



NOVONUCLEAR PRIVATE LIMITED



❑ In-Situ Radiation Identification System (IRIS)

The IRIS is the newest in-situ radiation identification system. It runs on a fast-charging battery pack and has an easily to separate control unit which stays connected with it's detector by cable (up to 100 feet). It can be manipulated with only one hand, using the buttons or by touchscreen.

❑ Specifications

Detector:

- 3x3 or 2x2 NaI detector, other detector types on request
- Energy range 18-3000 keV
- Detector can be detached from control unit

Control Unit:

- 480x272 colour touch screen with multilingual interface
- Thumb operated buttons for single hand usage
- Internal spectrum storage for thousands of spectra

❑ Applications

- Specific activity measurement of the radioactive source
- Isotope identification
- Isotope quantification
- Efficiency calibration and
- isotope library can be established on a PC using the software
- Visual and audible alarms
- Geotagging of the spectra
- Dose rate calculation

Battery:

- 4400 mAh Li-Ion replaceable battery

Environmental:

- IP67 water/dust resistance
- Temperature range: 20 to 50 °C

Weight

- 2700 g / 5.9 lbs with 3x3 detector and battery
- 1800 g / 4.0 lbs with 2x2 detector and battery



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