



**MIRION**  
TECHNOLOGIES

Radiation. **Safety.**

# SPIR-Ace

Sensitive Handheld Identifier



Nuclear  
Power



Healthcare



Homeland  
Security  
& Defense



Labs and  
Education



Industrial and  
Manufacturing

## OVERVIEW

SPIR-Ace is a versatile Radio-Isotope Identifier (RIID), taking advantage of SPIR family capabilities in a small and easy to use instrument. It addresses all applications requiring efficient detection and identification of radiological threats in security applications, including civil defense, border & customs. It also provides accurate assessment of nuclear materials for nuclear power plant, safeguard, labs, OSI/CTBTO agents, and more.

## KEY FEATURES

- Continuous acquisition: dose rate, countrate and detection
- Multiple specific nuclide libraries depending on application
- Source searching guidance
- Enclosure class : IP54
- Connection to external alpha / beta probe
- Can be connected to other warning and surveillance devices (e.g. watch, tablet)



## RADIOLOGICAL CHARACTERISTICS

- Detectors: NaI(Tl) or LaBr3(Ce), energy compensated GM tube for high dose rate fields , moderated LiI(EU) neutron detector (in gamma-neutron option)
- Energy Range: 25 keV to 3 MeV (gamma) and 0,025 eV to 15 MeV (neutron).
- Dose rate range : 0,01 to 15  $\mu\text{Sv/h}$  (1 to 1500  $\mu\text{R/hr}$ ) for low gamma dose rate range (by NaI or LaBr3) ; extended gamma dose rate range 5 to 999 999  $\mu\text{Sv/h}$  (0,5 to 99 999 mR/hr) by GM

## ENVIRONMENTAL CHARACTERISTICS

- Temperature range : -20°C to 50°C (-4°F to 122°F)

## MECHANICAL CHARACTERISTICS

- Dimensions: 206 mm X 153 mm X 57 mm (8.1 in x 6.2 in x 2.2 in)
- Weight: 1.20 kg (2.64 lb)

## ADDITIONAL PICTURES

