

# HS-SPEC

The HS-SPEC has been designed for the detection and measurement of gamma radiation on potentially contaminated materials like food, samples, etc.



It includes a 3x3 NaI detector with an embedded MCA. The detector+MCA is installed inside a low background lead shielding, with tin and copper lining. This guarantees that the detectors perform in their optimum operating conditions, providing an excellent signal output. The system includes automatic identification and quantification of isotopes.



## Characteristics:

- One NaI 3x3" detector.
- Energy range: 50 KeV - 3 MeV.
- Energy resolution at Cs137: <7.5 %
- Embedded MCA with up to 2048 channels.
- Automatic gain stabilization
- 50 mm of low background lead shielding
- 1.5 mm of Cu and 1 mm of Sn for the lining
- Internal well diameter of 150 mm
- Option for SiPM instead of traditional PMT
- Alarms 100% configurable.
- Easy to use and operate