OTM - HX

The OTM-HX has been designed for the detection and measurement of gamma radiation on potentially exposed tools and objects.

It includes six 45x45x5cm plastic scintillator detectors with PMT and six HV sources. This guarantees that the detectors perform in their optimum operating conditions, providing and excellent signal output.

The typical efficiencies obtained are: >30% (Co-60), >15% (Cs-137), >6% (Ba-133).

Characteristics:

- Counting chamber volume: 125 L.
- Energy range: 50 KeV 3 MeV.
- Detection area per detector: 2025 cm2.
- Each detector includes its own HV source and PMT.
- MDA <60 Bq Co60.
- Weigh scale 100 kg.
- Alarms 100% configurable.
- Double door and 10" double screen (optional).
- Independent and autonomous operation.
- Software HS-RAD 100% configurable.
- Windows 7 or 10.

The equipment is shielded with a 50 mm lead sheet to minimize the background contribution.

In case of high background environments, the lead shielding can be incremented.
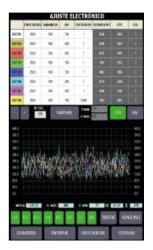
Stability and durability are provided by means of an aluminum structure and the stainless steel cover plates.

Each detector's operating parameters can be customized individually.

- The counting measure is displayed showing the information provided by each detector, making possible to asses the contaminated area.

- The equipment monitors the background constantly and starts the operation when an object is detected inside the counting chamber.

- Alarms and threshold can be easily set depending on user's requirements. This includes high and low background alarm, high counting alarm, etc.

- An audio interface provide instructions and status update to the user. Male or female voice can be selected.

An user friendly display guides the user through all the equipment configuration menu.

- All the recorded data is stored and managed by system, making possible to export it via USB.

- Calibration of the equipment can be easily performed following the system instructions.

- The software is 100% configurable according to user's requirements.