

RADOBJECTS SI

Small items controller

- RADOBJECTS SI has been specially designed for detection of very low radioactive sources or low contamination on Small items (tools, scrap, parcels...)

➤ Technical characteristics

Measuring cell:

- Detectors: 2 non shielded plastic scintillation detectors DSP C2
- Industrial computer
- Alarm : Audible with acknowledgement button

RS 232 output

Minimum detectable activity:

The system detects 400 Bq of Co60 equivalent activities in 40 seconds,

Measurement Conditions :

- Environment background: 70 nGy/h to 2,5 µGy/h,
- False alarm rate: < 0.15%, Non detection probability: < 2.5 %.

Operation:

- The background is automatically updated when no item is inside RADOBJECTS.
- The measurement time is automatically calculated according to the background value in order to keep the same minimum detectable activity.
- RADOBJECTS checks the background level and issues a warning if the background cannot guarantee the required alarm threshold.
- A contamination control of RADOBJECTS is done automatically after each nuclear alarm to check that RADOBJECTS is not contaminated.

Operating Temperature : -20, + 50°C.

Internal dimensions : 35 x 50 x 60 cm

Similar applications:

- Scaffoldings or tools on belt conveyor control (CORAMAT)
- Laundry monitors (CORALI)
- Free Release monitor (BANCO)



- **Very low detection limit: 400 Bq in 40 seconds**
- **Coincidence algorithm.**
- **No shielding**
- **Fully Automatic and 100% reliable control. Staff is only needed for loading and unloading the items**
- **Latest Technology. Fast processing unit**
- **Maintenance free.**

