

CORAMAT

Radiological Control of equipments

- CORAMAT has been designed for detection of very low, thanks to 3 large area scintillation detectors, detects radioactive sources especially on high length objects. This fully automatic system is very sensitive for an improving detection at each passage.

➤ Technical characteristics

- **Detectors:** 3 or 4 DSP 010 plastic scintillation detectors (see corresponding leaflet)
- **Operation :** Start with a pushed button controlled by the operator
Stop of measurements as soon as the cell located at the end of the conveyor detects an object
- **Detection limits:** Detection of contamination spots or radioactive sources from 100 Bq of ^{60}Co in the following measuring conditions :
Background noise : 70 nGy/h
False alarm rate : < 0,15%
No detection probability : < 2,5%
Measuring time : 200 s
- **Dimensions:** From 6 to 12 m x 1,7 m x 2,1 m (L x l x h)
- **Weight :** about 4,5 tons
The conveyor can bear 50 kg per linear meter
- **Alarm :** 4 colours visual alarm with BUZZER and acknowledgement button
- **Power Supply :** 380 VAC for the conveyor, 230 VAC for the processing unit
- **Output :** RS 232 for parameters setting,
RS 485 MODBUS/JBUS slave for remote control (option)



- **High sensitivity: Detection limits down to 100 Bq of ^{60}Co**
- **Suitable for a large variety of control items (ex: Scaffoldings)**
- **Dynamic scan (speed: 0,5 cm/s)**