

X-Ray Package Monitor



XRT-260

DESCRIPTION:

The TSA Package Monitor, Model XRT-260, is a highly reliable system for radiometric protection of special nuclear material (SNM). The XRT-260 is integrated with an AS&E model 101ZZ X-Ray inspection system. The package monitor can be adapted for use with other X-Ray systems, or as a stand alone system with its own conveyor. When the monitor is not occupied, the system will automatically monitor background radiation and periodically update the display on the controller located in the master pillar.

When a package interrupts the IR beam between pillars, the system begins fast count monitoring and will alarm if the count exceeds a predetermined alarm level. The system will also alarm if the background radiation level exceeds or falls below preset limits

. The package monitor system consists of two pillars which contain the subsystem modules. The pillars are mounted on either side of the conveyor belt. The XRT-260 is powered by a 12 volt power supply mounted in the master pillar. Each pillar contains a radiation detector assembly. The "master" pillar also has a portal monitor controller (SC-755), the power supply, the infrared module, alarm lights and Sonalert. The "slave pillar" contains only a detector. The pillars use lead shielding on the rear and sides of the detectors to reduce the back-ground radiation and increase the ability of the system to detect SNM passing between the pillars.

SPECIFICATIONS:

DETECTS: Gamma

