

RAD IQ™ AP300

Advanced Radiation Portal

The **RADIQ AP300** is a radiation portal designed for monitoring pedestrians and their carrying goods. The unit can be installable on doorways, hallways, walls or stand-alone. It is rapidly deployable and operational up to 48 hours without line power when it is used as portable and stand-alone system for emergency scenarios.

The user interface is based on tablet PC which provides customized information such as real-time activity graph in time, count rate, number of pedestrians passed, alarm status and more depend on applications.

Variable thresholding alarm scheme, using statistical information of background fluctuation, minimizes false alarm and guarantee integrity.

Routine quality control is conducted conveniently with a self-adhesive radiation check source and automatic QC algorithm which is embedded in application SW.

The system is equipped with two 5 liter plastic scintillator, occupying photoelectric sensor, 3 way LED alarm lamp and the necessary electronics.

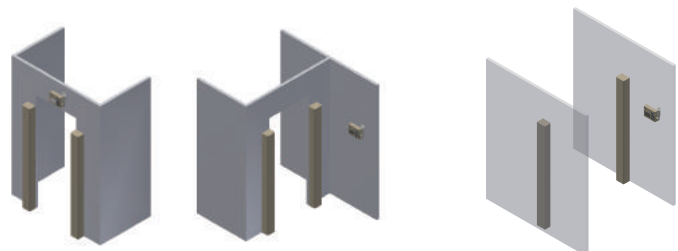


Key features

- High sensitive portal unit with two column of 10 l plastic scintillator
- Configurable installation options based on applications and site conditions
- Rapid deployment and operation for emergency application (portable w/ carrying case)
- Built on battery operation for up to 12 hours (external battery option > 48 hours)
- Automatic QC control w/ self-adhesive radiation check source
- Variable alarm setup utilizing statistical information of background fluctuation
- Portable tablet PC for customized display and control

Applications

- Building entrance, doorway or hallway check point for pedestrian and their carrying goods
- Pedestrian check point at boarder or airport inspection
- Radiation waste management in hospitals
- Emergency responder



Door way

Hall way

Key Specifications

Detector	Plastic scintillator (5 ϕ x 2ea)	Energy range	20 – 3,000 keV
Network Communication	Bluetooth or USB	Display	Tablet PC (10.1")
Dimension	1170(W) \times 130(D) \times 2000(H) mm	Weight	50kg(110lb)
Alarm	3way LED	Operating Temperature	-15°C(5°F)~50°C(122°F)
Motion Sensor	Infrared Ray Sensor	Power supply	110~230 V 50/60 Hz

Application SW

