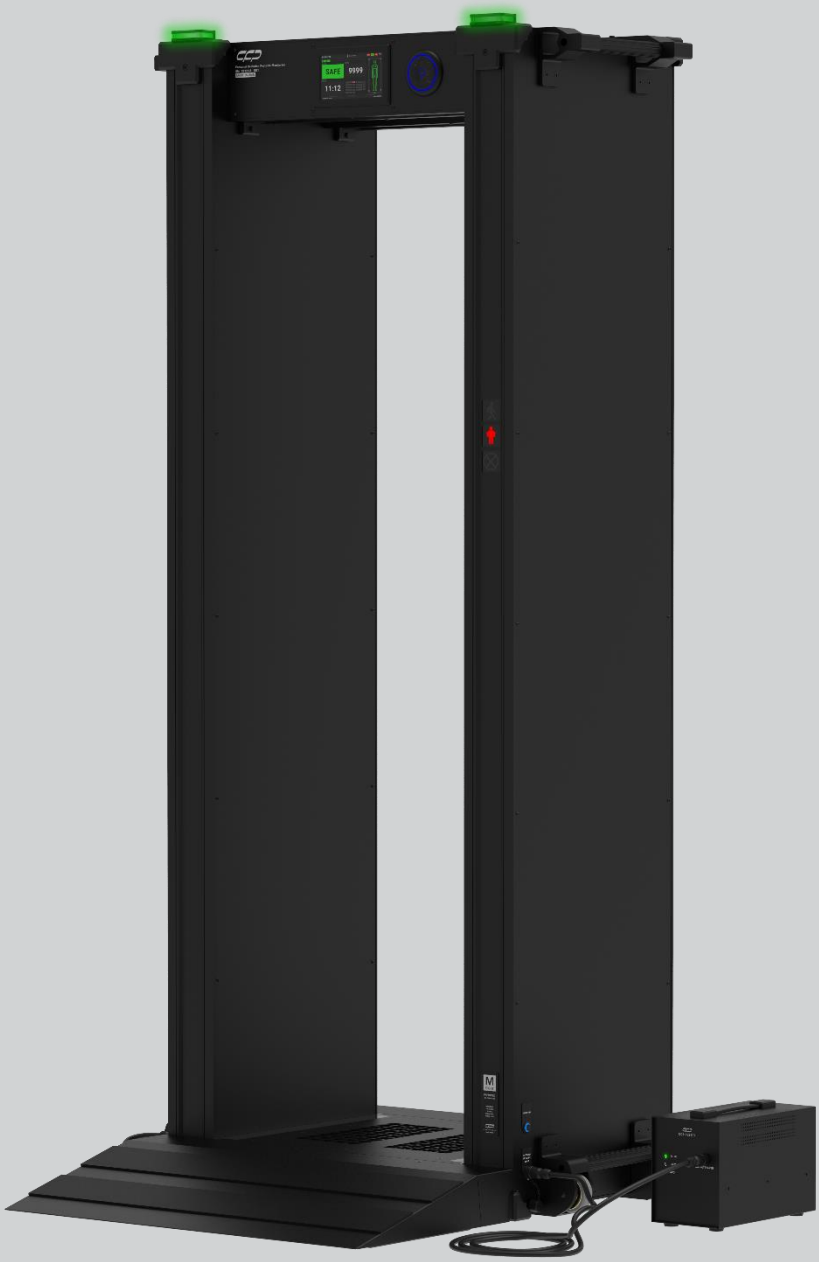
Innovator In Spectroscopy Equipment

PRPM2120



PERSONNEL RADIATION PORTAL MONITORING MODEL PRPM2120

CATALOG

SPECTROMETER

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Application

- Public:
  - Monitoring and controlling the background dose and activity.
  - Environmental monitoring.

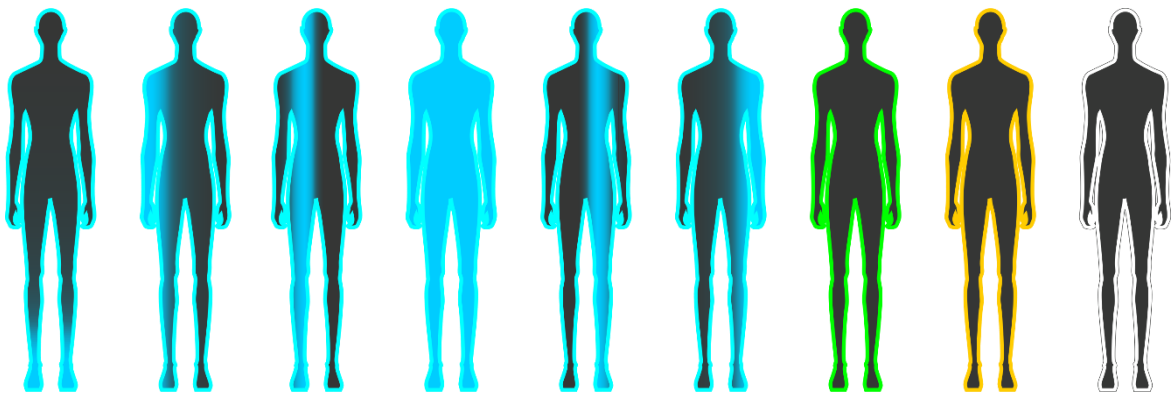
- Industry:
  - Controlling the radioactivity in the entrance and exit of the factory
  - Metal recycling
  - Well-logging
  - Oil and gas industry
  - Every industry that uses radioactive material and sources.
- Medical:
  - Monitoring and controlling the entrance or exiting the radiation source.
  - Nuclear medicine laboratories.
  - Health physics (contamination monitoring on Surfaces, clothing and objects etc.).
- National Security:
  - Monitoring and controlling the illicit material to every important or strategic center.
  - Radiation protection measurement in nuclear disasters.
  - Controlling the trafficking of illicit radioactive material and radiation inspection at borders (pedestrians), airports, ports and railways.

Defense:

- Equipping the border or any areas with danger of radiation.

Features

- User information display.
- Equipped with presence detection sensors and monitoring camera at the gate (OPT).
- Previous data storage for further exploration.
- Easy and modular design for fast mounting.
- Small natural degradation of the optical performance of the detector.
- Specified background updating Procedure.
- Low limitation in detection and decision-making.
- Equipped with programmable detection parameters.
- Equipped with adjustable audio and optical warning indicators.
- Very accurate alarms with low false alarm rate (positive & negative false).
- Support data extraction and data reanalysis.
- Ready for field operation.
- Wide range of energy performance.
- Documentation of measured values.
- Continuous operation under severe environmental conditions.
- Intelligent radiation contamination detection algorithm.
- Large plastic scintillators with high efficiency and long optical attenuation length.
- Different scan scenarios (Walk-Thru, Pause, Pause-and-Turn, Front-and-Back).
- Capability of connecting to PC over LAN interface for data transfer.
- High safety against electromagnetic, mechanical (shock and vibration) and environmental (dust and moisture) interference.



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