BERTIN

RCCL

Radiation portal monitor for small containers, luggage and parcels

Radiation portal monitor developed to detect potential radioactive sources or contaminated residuals in hospital and health-care waste. It operates automatically in static and dynamic mode, so the operator does not need to stop in front of the detector, and can also monitor other waste, recycling material and conveyor belts.



Detector type

PVT plastic scintillator with large-diameter, l ow-noise PMT [1]

Energy range

30 keV–5 MeV [1]

Specifications

Use	Detection of radioactive sources or contaminated residuals in hospital and health-care waste; also other waste, recycling material and conveyor belts	[1]
Detector type	PVT plastic scintillator with large-diameter, low-noise PMT	[1]
Detector volume	2.5, 5 or 25 litres	[1]
Energy range	30 keV–5 MeV	[1]
Response time	<1 s	[1]
perating temperature	–20 to +50 °C	[1]
Power supply	110 V AC or 220 V AC	[1]
perating modes	Automatic, static and/or dynamic – the operator does not have to stop in front of the detector	[1]

Sources

[1] **Radiological Control of Container Load (RCCL)**
Bertin Technologies · product-page · Product page; Product page – Datasheet tab · checked 2026-10-16
https://www.bertin-technologies.com/product/radiation-portal-monitors/rccl-portal-monitor/

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.