LUDLUM

HWM-100

Free release monitor for items up to 100 kg

Free release monitor with a 97 litre chamber and six gamma plastic detectors in 4π geometry. Pass-through design with interlocked doors, a built-in weigh scale for up to 100 kg and multichannel energy analysis that suggests the nuclide composition.



Chamber volume	Weigh scale capacity	Weight
460 x 460 x 460 mm, 97 L [1]	**Up to 100 kg** [1]	**Approx. 1,102 kg; 1,903 kg with 50 mm lead** [1]

Specifications

DETECTOR

Detectors	6x gamma plastic detectors	[1]
Detector volume	> 49 L	[1]
Chamber volume	460 x 460 x 460 mm, 97 L	[1]

POWER & BATTERY

Power supply	24 V via external 110–240 V power adapter, with uninterruptable power supply (UPS)	[1]

MECHANICAL

Dimensions	1,165 x 739 x 773 mm (H x W x D), excluding handles	[1]
Weight	Approx. 1,102 kg; 1,903 kg with 50 mm lead	[1]

GENERAL

Lead shielding	Standard 25 mm lead; option 50 mm lead	[1]
Weigh scale capacity	Up to 100 kg	[1]
Standards	CE, CSA / UL or EMC, ISO11929	[1]

Sources

[1] **HWM-100 Free Release Monitor**
Ludlum Measurements · product-page · Specifications – Detectors; Specifications – Chamber Volume; Specifications – Shielding · checked 2026-11-17
https://ludlumgmbh.com/en-us/products/clearance-monitors/product/hwm-100

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.