LUDLUM

HWM-180

Free release monitor with a 181 litre chamber

Free release monitor with a 181 litre chamber and six gamma plastic detectors in 4π geometry for parts and materials leaving controlled areas. Pass-through design with two interlocked doors and a built-in weigh scale for up to 100 kg.



Chamber volume	Weigh scale capacity	Weight
600 x 550 x 550 mm, 181 L [1]	**Up to 100 kg** [1]	**1,900 kg; 2,500 kg with 50 mm lead** [1]

Specifications

DETECTOR

Detectors	6x gamma plastic detectors	[1]
Detector volume	> 71.64 L	[1]
Chamber volume	600 x 550 x 550 mm, 181 L	[1]

POWER & BATTERY

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

MECHANICAL

Dimensions	1,346 x 844 x 991 mm (H x W x D), including handles	[1]
Weight	1,900 kg; 2,500 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-180 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-180

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.