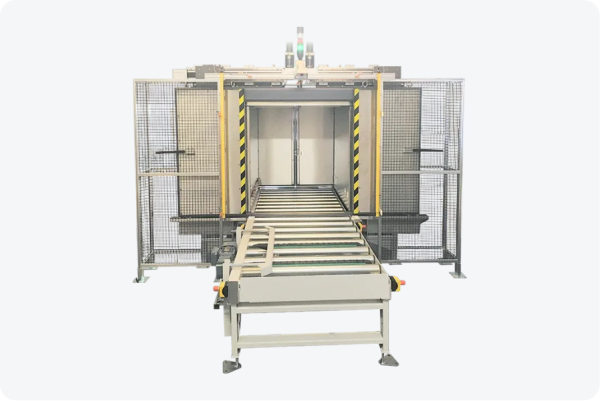
LUDLUM

HWM-1800

Free release monitor for large items and containers

Industrial-scale clearance monitor with a 1,870 litre chamber for goods of up to 1,000 kg. 24 gamma plastic detectors give 4π coverage, and an electrically driven chain conveyor with jigs for grid boxes and barrels feeds the goods through electrically driven double-wing doors.



Chamber volume	Weigh scale capacity	Weight
1,210 x 1,120 x 1,380 mm, 1,870 L [1]	**Up to 1,000 kg** [1]	**Approx. 11,500 kg; 15,500 kg with 75 mm lead** [1]

Specifications

DETECTOR

Detectors	24x gamma plastic detectors	[1]
Detector volume	> 319 L	[1]
Chamber volume	1,210 x 1,120 x 1,380 mm, 1,870 L	[1]

POWER & BATTERY

Power supply	230 V / 16 A / N / PE, with uninterruptable power supply for controllers and electronics	[1]

MECHANICAL

Dimensions	2,223 x 1,913 x 1,765 mm (H x W x D), without conveyor	[1]
Weight	Approx. 11,500 kg; 15,500 kg with 75 mm lead	[1]

GENERAL

Lead shielding	Standard 50 mm lead; option 75 mm lead	[1]
Weigh scale capacity	Up to 1,000 kg	[1]
Standards	CE, CSA / UL or EMC, ISO11929	[1]

Sources

[1] **HWM-1800 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-1800

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.