LUDLUM

HWM-550S

Free release monitor for barrels with manual loading

Medium-sized clearance monitor with a 539 litre chamber for up to 600 kg of material, designed for manual barrel intake with a drawer system. Ten gamma plastic detectors give 4π coverage and the system comes with energy and geometry calibration.



Chamber volume	Weigh scale capacity	Weight
1,100 x 700 x 700 mm, 539 L [1]	**Up to 600 kg** [1]	**Approx. 5,000 kg; 7,200 kg with 7 5 mm lead** [1]

Specifications

DETECTOR

Detectors	10x gamma plastic detectors	[1]
Detector volume	Approx. 160 L	[1]
Chamber volume	1,100 x 700 x 700 mm, 539 L	[1]

POWER & BATTERY

Power supply	230 V / 16 A / N / PE or 110 V, internal 24 V, with integrated UPS for controllers and PC	[1]

MECHANICAL

Dimensions	2,160 x 1,274 x 1,138 mm (H x W x D), width including the display	[1]
Weight	Approx. 5,000 kg; 7,200 kg with 75 mm lead	[1]

GENERAL

Lead shielding	Standard 50 mm lead; option 75 mm lead	[1]
Weigh scale capacity	Up to 600 kg	[1]
Standards	Built according to CE, CSA / UL or EMC, ISO11929	[1]

Sources

[1] **HWM-550S 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-550s

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.