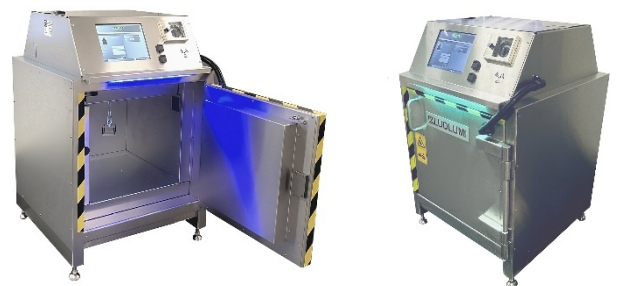


Model HWM-100

Free Release Monitor for Reliable Detection of Gamma Emitting Radionuclides in Smaller Items up to 100 kg (220 kg)

The Model HWM-100 is designed for the measurement and release of parts and material from controlled areas. Utilizing two doors with an interlock system, this instrument is ideal as an automated release measuring system.

- 6 gamma plastic detectors for complete 4π coverage
- 25 mm (1 in.) lead shielding (or 50 mm [2 in.] option)
- Built-in weigh scale for up to 100 kg (220 lb)
- Two door interlock system with the option to use one door only
- Unique stainless steel detector housing design to reduce radiation streaming effects
- Integrated 12 in. touch-screen display
- Automated measuring process with user guidance
- Nuclide composition suggestions from multichannel analyzer (MCA)
- Network capability for remote monitoring and supervision by RP personnel



Key Features

- Housing with Pass-Through Design and Optimized for Reduction of Radiation Streaming
- Reduced Dead Zones: > 70% Coverage (Inner Chamber to Detector Size)
- Intuitive Operating Software That Is Easy to Use
- Export of Measurement/Parameter Data in XML Format via USB
- Energy Filter Settings to Optimize Discrimination of Background Radiation
- Integrated Mini-UPS for Several Measurements During Mains Power Outage
- Ergonomically Positioned Touch Operated Display
- Access to Historical Measurement Data via Integrated Database
- Access to Ludlum GmbH Test Tool Software for Detector Analysis

Standards:	The monitor is compliant with the following standards: CE, CSA / UL or EMC, ISO11929
Detectors:	6x gamma plastic detectors Detector volume: > 49 L (1.73 ft ³) Direct connection of each detector to the PC via USB
User Software:	Intuitive operator software with touch-screen display, automated measurement process with user guidance, indications of results and measurement material position on the display. Web based for RP remote access.
Electronics:	Integrated illumination in the chamber, status-LED, interlock-relays with interface to external units
Sensors:	2 door sensors with interlock Integrated weigh scale
Housing:	Stainless steel
Ext. Dimensions:	1,186 x 784 x 855 mm (46.7 x 30.9 x 33.7 in.) (H x W x D) excl. handles
Chamber Volume:	460 x 460 x 460 mm (18.1 x 18.1 x 18.1 in.) (H x W x D), 97 L (3.43 ft ³)
Shielding:	Standard: 25 mm (1 in.) lead Option: 50 mm (2 in.) lead
Weight:	Standard: approx. 1,102 kg (2430 lb) With 50 mm lead: 1,903 kg (4195 lb)
Power Supply:	24 V, 5A via ext. 100 – 240 V, 1.6A external power adapter Uninterruptable power supply (UPS) to bridge loss of electrical power



Screenshots of user-software

Additional Options

Ludlum GmbH offers a range of additional options to enhance the capabilities of the monitor and are able to tailor the Model HWM-100 to your specific needs.

- Second additional display on the exit side
- Additional lead shielding (50 mm [2 in.] instead of 25 mm [1 in.])
- Integration of a camera in the chamber
- 4 (instead 6) gamma plastic detectors



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