Model HWM-65

Compact Free Release Monitor for Reliable Detection of Gamma Emitting Radionuclides on Small Items and Objects

The Model HWM-65 is designed for the measurement and release of items such as waste bags, tools, helmets, and parts and materials from controlled areas. Featuring a two door interlock system, this instrument is ideal as an automated release measuring system.

- 4 gamma plastic detectors with a 6 detector option for complete 4π coverage
- 25 mm (1 in.) lead shielding
- 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 7 in. touch-screen display
- Automated measuring process with user guidance
- Radionuclide composition suggestions from detector pulse analysis
- Network capability for remote monitoring and supervision

Key Features

- Housing with Pass-Through Design and Optimized to Minimize Radiation Streaming
- Reduced Dead Zones: > 70% Coverage (Inner Chamber to Detector Size)
- Intuitive Operating Software That Is Easy to Use
- Export of Measurement and Parameter Data in XML Format via USB
- Energy Filter Settings to Optimize Discrimination of Background Radiation from Licensed Materials
- Integrated Mini-UPS for 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

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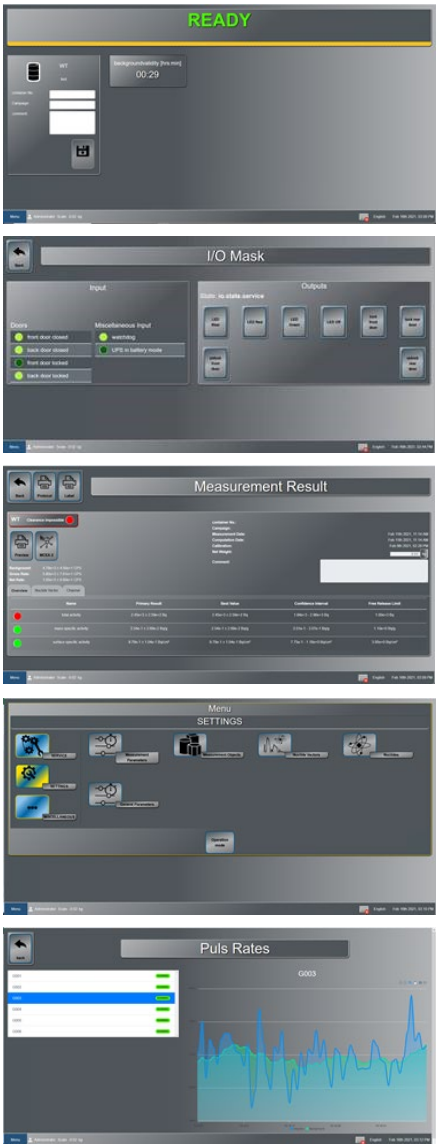
Clearance Monitors

Standards:	The monitor is compliant with the following standards: CE, CSA / UL or EMC, ISO11929
Detectors:	Up to 6x gamma plastic detectors Detector volume: > 71.64 L (2.5 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. Radionuclide composition “fingerprint” with energy windows. Web based for remote access.
Electronics:	Integrated illumination in the chamber, status-LED, interlock-relays with interface to external units
Housing:	Stainless steel
Sensors:	2 door sensors with interlock
Ext. Dimensions:	1,160 x 694 x 808 mm (45.7 x 27.3 x 31.8 in.) (H x W x D) incl. handles
Chamber Volume:	400 x 400 x 400 mm (15.75 x 15.75 x 15.75 in.) (H x W x D), 65 L (2.3 ft^3)
Shielding:	Standard: 25 mm (1 in.) lead Option: 50 mm (2 in.) lead
Weight:	Standard: approx. 970 kg (2,140 lb) With 50 mm (2 in.) lead: 1,520 kg (3,350 lb)
Power Supply:	External power adapter input: 100 – 240 V, 1.6 A max / 24 V, 5 A output

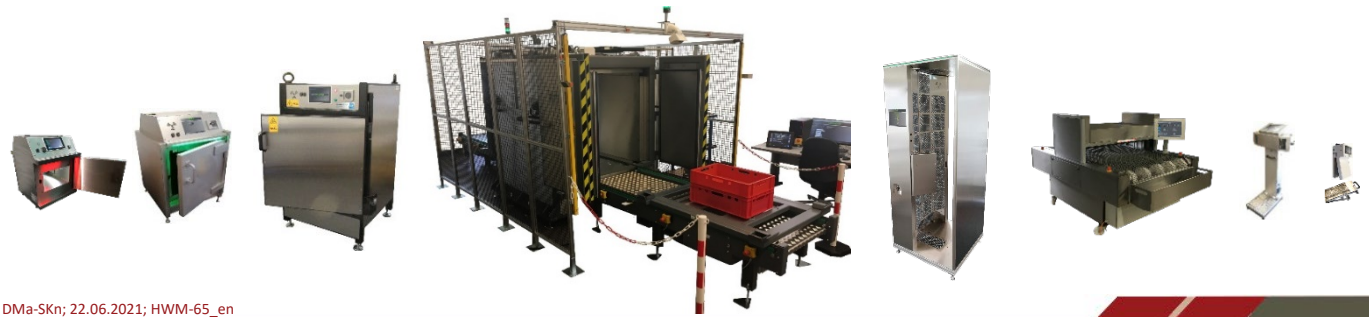


Software Screenshots

Additional Options

Ludlum GmbH offers a range of additional options to enhance the capabilities of the monitor and are able to customize the instrument 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
- 6 (instead of 4) gamma plastic detectors



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