HWM-300

Free Release Monitor for Gamma-detection in small to medium sized items

The HWM-300 is a compact clearance monitor for the release of materials and goods of up to 150kg.
The standard unit is equipped with the following features:

- 6 Gamma Plastic Detectors for a complete 4π coverage
- 25mm Lead shielding
- built-in weigh scale for up to 150kg
- powder-coated steel frame with easy to clean stainless steel lining inside and outside
- Integrated 12“ Touch-Screen Display
- Fully automated measuring process with user guidance
- Nuclide composition suggestion from detector-pulse-analysis
- Network capability for remote monitoring and supervision
- Integrated Mini-UPS

The HWM-300 allows a fast and reliable detection of Gamma radiation. Equipped with the latest measuring electronics and a built-in maintenance module, it allows optimisation of the system to ensure consistent peak performance.

Key Benefits

- 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 optimise 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 LMG 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:	6x Gamma-Plastic-Detectors Detector Volume >117Ltr. Direct Connection of each Detector to the PC via USB
User Software:	Intuitive Operator Software with Touch-Screen Display, fully automated measurement process with user guidance, indications of results and measurement material position on the display, Web based for RPO remote access
Electronics:	Integrated Illumination in the chamber, Status-LED, Interlock-Relays with interface to external units
Housing:	Steel frame with stainless steel lining, Front door with special hinges and manual lock
Ext. Dimensions:	(H x W x D): 1.813 w/o lifting eye x 890 x 1157 mm^3 (incl. handle)
Chamber:	Vol.: (H x W x D): 600 x 700 x 865 mm^3, 350 Ltr.
Shielding:	Standard: 25mm Lead Option: 10mm Lead 50mm Lead
Sensors:	2 door sensors with interlock Integrated weigh scale
Weight:	Standard: ca. 1.875 kg With Option 10mm Lead: 1.200kg With Option 50mm Lead: 3.025kg
Power Supply:	24V via ext. 110 - 240V power adapter Uninterruptable Power Supply (UPS) to bridge loss of mains electrical power

Screenshots of user-software

Additional Options

Ludlum offers a range of additional options to enhance the capabilities of the monitor and are able to tailor the HWM-300 to your specific needs.

- Second door on the exit-side
- Optional lead shielding (10mm or 50mm instead of 25mm)
- Integration of a camera in the chamber

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