

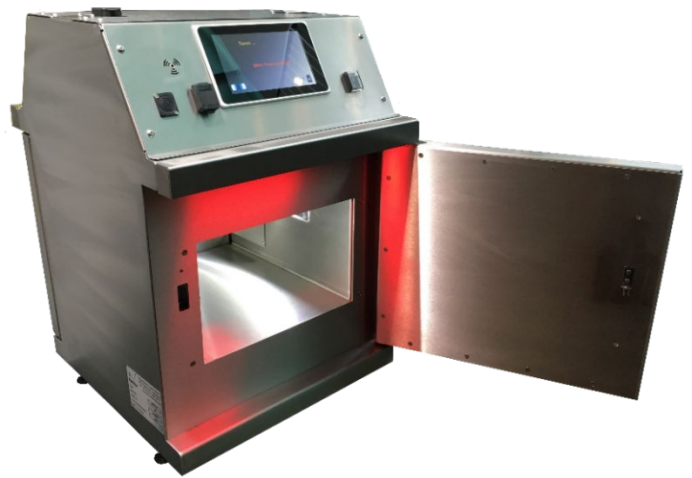
## Model HWM-21

Clearance Monitor for Reliable and Precise Detection of Contamination on Small Items

The Model HWM-21 small article monitor is designed for the measurement and release of small items such as tools, hard hats, personal protective equipment, documents, and measuring instruments.

The standard equipment includes:

- 2 gamma PVT detectors
- 15 mm (0.6 in.) lead shielding
- Two door interlock system with the option to use one door only
- Easy to clean stainless steel housing
- Integrated 7 in. touch-screen display
- Automated measuring process with user guidance
- Energy filter settings to optimize discrimination of background radiation from licensed material



The Model HWM-21 provides fast and reliable detection of gamma emitting contamination, based on the latest measurement electronics. With the integrated maintenance modules, the system can be updated continuously to keep up its high performance for every measuring task now and in future.

### Key Features

- Unique Detector Housing Design to Reduce Radiation Streaming Effects
- Intuitive and User-Friendly Operating Software
- Energy Filter Settings to Optimize Discrimination of Background Radiation
- Export of Measurement/Parameter Data in XML Format via USB
- Radionuclide Composition Suggestions from Detector Pulse Analysis
- Access to Historical Measurement Data via Integrated Database

<b>Standards:</b>	The monitor is compliant with the following standards: CE, CSA / UL or EMC, ISO11929
<b>Detectors:</b>	2x gamma plastic detectors Detector volume: > 9.44 L (0.33 ft <sup>3</sup> ) Direct connection of each detector to the PC via USB
<b>User Software:</b>	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 remote access.
<b>Electronics:</b>	Integrated illumination in the chamber, status-LED, interlock-relays with interface to external units
<b>Sensors:</b>	2 door sensors with interlock
<b>Housing:</b>	Stainless steel
<b>Ext. Dimensions:</b>	653 x 450 x 460 mm (25.7 x 17.7 x 18.1 in.) (H x W x D) incl. handles
<b>Chamber Volume:</b>	190 x 295 x 370 mm (7.5 x 11.6 x 14.6 in) (H x W x D), 21 L (0.75 ft <sup>3</sup> )
<b>Shielding:</b>	Standard: 15 mm (0.6 in.) lead Option: 30 mm (1.2 in.) lead
<b>Weight:</b>	Standard: approx. 220 kg (485 lb) With 30 mm lead: 360 kg (794 lb)
<b>Power Supply:</b>	External power adapter input 100 – 240 V, 1.6 A max / 24 V, 5 A output



Software Screenshots

## Support Services

With nearly 60 years of experience, Ludlum is able to offer a full suite of services from the provision of radiological monitoring products, instrumentation service, maintenance, and calibrations to in-house design and expert project management.



DMa-SKn; 25.03.2021; HWM-21\_en