

Model HLM-22, HLM-3G

Laundry Monitor for Reliable Beta / Gamma -Detection in Clothing and Textile Items

The Model HLM-22/HLM-3G Laundry Monitor is designed for the measurement and release of clothing items such as overalls, towels, and overshoes from controlled areas. Featuring automatic measurements and a stainless-steel grid conveyor, the Model HLM-22/HLM-3G provides precise and reliable detection of contamination. Detectors, positioned to reduce dead zones, measure materials on the moving conveyor through the tunnel, above and below. A touch-screen display positioned next to the user on a moving arm allows for convenient and easy operation during measurements and service mode.



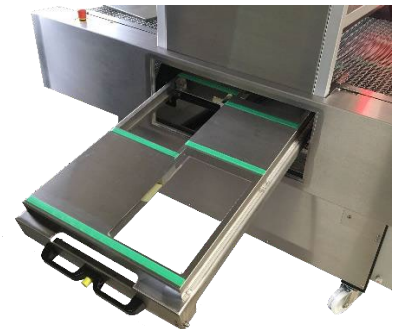
Key Features

- Different versions possible depending on requirements
- Automated adjustable distance between detector and material
- Variable conveyor speed
- Equipped with heavy-duty lockable wheels
- Automatic Start/Stop measurement
- Power provided by UPS for measurement during power outages
- Stainless steel lining for easy decontamination
- Export of measurement/parameter data in XML format via USB
- Access to historical measurement data via integrated database
- Network capability for remote monitoring and supervision
- Access to detector analysis tool
- Loading tray

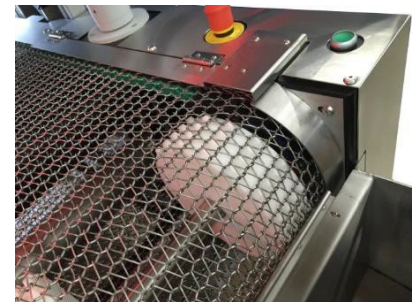
Standards:	The monitor is compliant with the following standards: IEC61098, CE, CSA / UL or EMC, ISO11929
Detectors:	22x beta plastic detectors Active area: 6600 cm ² Optional: 3 gamma plastic detectors
User Software:	Intuitive and user-friendly software with touch screen display. Automated measurement process with voice guidance. Web based for remote RPO access.
Electronics:	The status of the monitor is shown by a colored LED-light. Standard interfaces allow connection to external components and equipment.
Housing:	Stainless steel
Dimensions:	Standard, External: 1500 x 1400 x 2000 mm (HxWxD) Long version, External: 1500 x 1400 x 3400 mm (HxWxD) Support height of the conveyor: 900 mm
Sensors:	Automatic Start/Stop Motor with position sensor Design in accordance with the latest machine directive with safety sensors for belt and tunnel
Weight:	Standard: 400 kg, up to 750 kg with all options
Power Supply:	110 - 230V / 1Ph / N / PE / 50/60Hz Integrated UPS to finish measurements and protect the controllers



Detector height adjustment



Detector drawer (Example)



Conveyor belt

Device Variations

Ludlum offers a wide range of additional options to enhance the capabilities of the monitor and is able to tailor the Model HLM-22/HLM-3G to your specific needs.

Variants:

- | | |
|--------------------------------|--|
| HLM-3G, 3.4m | Pure Gamma with 3 Detectors and shielding |
| HLM-22 Standard, 2m | Supports up to 22 beta scintillation detectors |
| HLM-22 Standard, 3.4m | As above but with longer conveyor, better for overalls |
| HLM-22 Standard, 3m with Gamma | Complete beta/gamma version |



Dma-SKn; 23.05.2022; HLM-22_en_V1