



HWM-65 small article monitor

A compact 2 door release monitor for mid sized items like waste bags, tools and helmets.

Product overview

The HWM-65 small article monitor is designed for the measurement and release of materials, up to 100 kg, from controlled areas. Featuring a two door interlock system and built-in weigh scale, the HWM-65 has the ability, even with its compact size, to provide precise and reliable detection of gamma radiation.

An integrated touch display, allows for convenient and easy operation during measurements.

Utilisation of LED indicators to display results to the rear, the HWM-65 is suitable as an automated release measuring system.



Key benefits

- Housing with cassette design for minimal irradiation
- Reduced dead zones : >70% coverage (inner chamber to detector size)
- Ergonomically positioned touch operated display
- Two door interlock system with the option to use one door only
- Energy filter settings to optimise discrimination of background radiation
- Power provided by UPS for several measurements during mains power outage
- Stainless Steel housing
- Access to historical measurement data via integrated database
- Export of measurement/parameter data in XML format via USB
- Nuclide composition suggestion from detector pulse analysis
- Intuitive and user friendly software
- Network capability for remote monitoring and supervision
- Access to JFN's test tool software for detector analysis

Specifications

Standards:	The monitor is compliant with the following standards: CE, CSA/UL or EMC, ISO11929 and DIN25457
Detectors:	4 Gamma Plastic Detectors, 6 as option Detection Volume: > 22,28L with 4 Detectors 33,42 L with 6 Detectors Direct connection of each detector to the PC via USB
User Software:	Fully automated measurement process with user guidance via voice prompts, indications of results and measurement material position on the display. Web based for RPO remote access
Electronics:	Internal chamber lighting and LED status indication Interlock relays for operations with other systems Optional camera integration
Power Supply:	24V via 110 – 230 V power adapter Uninterruptable Power Supply (UPS) to bridge loss of mains electrical power.
Sensors:	Detection of open and closed door Automated door locks Built-in weigh scale
Shielding:	Standard 25 mm Lead Option: 50 mm Lead
External Dimensions:	1078.15 x 692 x 832 mm (H x W x D including the handle)
Chamber Size:	400 x 400 x 400 mm (H x W x D)
Weight:	Standard: 1400 kg With 50mm Lead: 1950 kg

Additional options

JFN offer a range of additional options to enhance the capabilities of the monitor and are able to tailor the HWM-65 to your specific needs.

Example options:

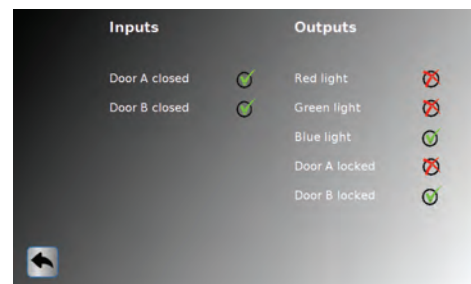
- 2 additional Gamma plastic detectors (for 4π measurement geometry)
- Additional lead shielding
- Camera integration

Support services

James Fisher Nuclear 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 with nearly 40 years of experience.

Our instrumentation team is able to provide essential calibration and maintenance services for a range of radiological protection instruments with a service hotline to provide support and advice for your new and existing instrumentation.

Software screenshots



t: +44 (0) 845 3013028

@: sales@jfninstruments.com

James Fisher
Nuclear



www.jfni.co.uk