

Model HBP-22

Robust, Ergonomically Designed Body Contamination Pre-Monitor

The Model HBP-22 is a body contamination monitor that utilizes beta plastic detectors to measure personnel as a pre-monitor. Robust, with a modern design that integrates the latest available industrial technology, the system is optimized for users of all sizes.

The key features include:

- 22 beta plastic detectors with semiconductor readout
- Whole body measurement in 2 easy steps
- Automated measurement process with audio-visual user guidance
- Integrated 12 in. touch-screen display
- Intuitive user-friendly software
- Hand-detector on the side
- Latest industry-controller technology
- Energy filter settings to optimize discrimination of background radiation
- Power provided by internal UPS for several measurements during power loss



Key Features

- Intuitive User-Friendly Software
- Large Service Space in a Footprint of 900 x 840 mm (35.4 x 33.1 in.) (W x D) with Easy Access to the Service Cabinet
- Modern 12 in. Touch-Screen Display
- Stainless Steel Housing for Easy Cleaning and Durability
- Access to Ludlum's Test Tool Software for Detector Analysis
- Export of Measurement/Parameter Data in XML Format via USB
- Access to Historical Measurement Data via Integrated Database
- Network Capability for Remote Monitoring

Standards:	The monitor is compliant with the following standards: IEC61098, CE, CSA / UL or EMC, ISO11929
Detectors:	22 beta plastic detectors Active area (per 2-step measurement): 10,648 cm ² (1650 in. ²)
User Software:	Automated measurement process with voice guidance for users. Web based for easy RP office access.
Sensors:	1x foot, 1x torso, and 1x hand
Electronics:	Monitor status indicated with LED lights
Housing:	Aluminum frame with stainless steel housing
Ext. Dimensions:	2195.5 x 900 x 840 mm (86.4 x 35.4 x 33.1 in.) (H x W x D)
Weight:	Standard, incl. back wall: 220 kg (485 lb)
Power Supply:	110 – 230 V, 0.7 A, internal uninterruptable power supply



Software Screenshots

Additional Options

Ludlum GmbH offers a range of additional options to enhance the capabilities of the monitor and are able to tailor the Model HBP-22 to your specific needs.

- Alpha discrimination by ZnS detectors
- Dosimeter and card reader integration
- Configuration as check-in monitor or nuclear medicine/PET monitor possible with beta-gamma hybrid detectors



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