

Detect & Identify

LB 500 HERM High Energy Radio Monitor



LB 500 HERM

Flow Monitor for High Activities

The HERM is a dedicated radio flow monitor for detecting gamma isotopes present in high activities e.g. in nuclear medicine or PET laboratories.

The sodium iodine crystal combined with a thick lead shielding provides a sensitive, reliable and stable measurement system. The Twin-Cell-Changer offers enough flexibility in terms of changing activities and flow rates for the flow through analysis.

Features:

- * 1 inch NaI detector for standard applications
 - * 50mm lead shielding
- * Analog signal output (0-1V, 16bit)
- * Twin cell changer for 2 different cell volumes
 - * TTL signal output
 - * 2 programmable relays
 - * smoothing function
- * Half life and dead time correction
- * Internal oscillator for validation
- * USB interface for programming
- * RadioStar & Chromeleon support

For Application Information please go to:

HERM LB500

Radiation Protection



Berthold offers a wide variety of Radiation Protection Equipment

Working with unsealed radioactive materials generates potential contamination of surfaces. Sensitive instruments providing early warnings of the presence of surface contamination help to prevent inadvertent transfer of radioactivity.

Berthold's various LB124 Contamination Monitors offer the protection you need.



All LB 124's

Can be used wherever contamination caused by radioactive substances is encountered and must be monitored such as:
floors, walls, desks, objects, clothing and skin.

Each LB 124

Portable - low weight; easy to handle
Battery powered
large high resolution display with background lighting
Display unit with microprocessor electronics
Signal Processing electronics

Various models available:

LB124 SCINT

New contamination monitor for Alpha and Beta-Gamma measurement.
Active measurement area of 170cm².
Response is extremely flat over the entire sensitive area.
Option available of sample holder with drawer for small sample activity measurements.

LB124 SCINT 300

Contamination monitor for Alpha and Beta-Gamma measurement.
A large active measurement area of 345cm² supports faster measurements with lower effort and increased safety.
Response is extremely flat over the entire sensitive area.

LB124 SCINT-D

Contamination monitor with Dose Rate Detector.
Through the integration of an additional Geiger-Muller tube it is possible to measure gamma dose rate simultaneously with regular contamination measurement.
Active measurement area of 170cm².

LB124 B

Xenon contamination monitor for beta-gamma measurement.
This detection technique provides extremely high sensitivity for beta particles and for gamma radiation making this instrument ideally suited for the measurement of photon emitting radionuclides.
Measures sensitive area of 150cm².

**For additional information on any Berthold product
OR TO SCHEDULE A DEMO
please email**

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