Productinformation

LB 1234 with LB 123 UMo

Portable survey monitor with NaI-Scintillation-Counter-Probe

The new NaI-Scintillation-Counter Probe LB 1234 is offering a high γ-sensitivity in the energy range between 25 keV and 2 MeV. This makes it to an ideal instrument for searching and fast detection of radioactive sources in the industry, in the Nuclear Medicine, in laboratories and at authorities. Typical applications are the transport control, the survey of waste, the control of borders and baggage, control of scrap metal, the localization of contamination or activity measurement. As measuring and display system the well-known, universal, battery-operated monitor UMo LB 1230 with data storage and adjustable alarm is used.

Technical Data:

Scintillator:	1" x 1" NaI Crystal
γ-sensitivity:	250 cps per µSv/h in ^{137}Cs radiation field 3000 cps per µSv/h in ^{241}Am radiation field
Background:	approx. 30 cps at 100 nSv/h γ-ambient dose rate
Energy range:	25 keV to 2 MeV (coating 0.5 mm aluminium)
Dimensions:	Ø 40 mm x 305 mm (Ø 50 mm at the handle)
Temperature range:	-10°C to 40°C
Protection class:	IP 65 (according to DIN IEC 60529)
Electronic:	PMT, active voltage divider, high voltage supply and charge sensitive preamplifier with discriminator

Subject to changes without prior notice.

RADIATION PROTECTION

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BERTHOLD TECHNOLOGIES GmbH & Co. KG · Calmbacher Str. 22 · 75323 Bad Wildbad, Germany
Telefon +49 7081 177-0 ·Fax +49 7081 177-100 · nuclear@Berthold.com · www.Berthold.com