

# CONTAMINATION MONITOR



The handheld beta-gamma contamination monitor LB 124 for the measurement of radioactive surface contamination is based on the well proven high performance Xenon filled proportional counter technology.

This detection technique provides extremely high sensitivity for both beta and gamma radiation. The instrument is therefore ideally suited for the measurement of photon emitting radionuclides, widely used in nuclear medicine as well as in other laboratories and environments.

The software offers many useful modes of operation, complex functions, utilities, and access to all parameters for experienced users. In the supervisor mode the instrument's configuration can be defined as a simple or even extremely simple system for unskilled users. The supervisor can grant access authorization for user profiles only for selected menus, functions or parameters according to the special needs of the site. The instrument has a memory to store measured values and bi-directional serial RS232 communication. This provides program download, parameter download, remote control and data transfer to a host computer or printer.

The LB 124 is ergonomically designed and is easy to use. It has a low weight, allowing real one hand operation for the daily routine. The instrument has a large graphical display with a background illumination facility. The results are always clearly indicated - even under bad conditions. Control of the instrument is easily done via simple multi-function keys.



## Technical Data

Display-----	Monochrome LCD 192 x 64 pixel, electro-luminescence illumination
Detector-----	150 cm <sup>2</sup> area, protection grid with 80% transmission
Measurement modes -----	Search mode, ratemeter, scaler-timer, clearance, half-life
Utilities -----	Background measurement
Calibration-----	Selectable according to ISO 7503-1 or DIN 44801
List of nuclides -----	Factory set of calibration factors for more than 50 radionuclides. User can edit calibration factors and add user defined nuclides.
Memory-----	250 measured values with date and time
Alarm-----	Acoustic and option for vibration alarm in the handle, adjustable alarm thresholds
Power supply -----	3 battery types: alkaline cell, rechargeable Ni-Cd or Ni-MH batteries. Rechargeable by plug type power supply or alternatively in the wall mounting bracket
Max. operation -----	> 100 hrs with alkaline batteries 7.8 Ah (without illumination)
Temperature range-----	-15°C to 50°C
Dimensions -----	240 x 140 x 110 mm
Weight-----	1460 g without batteries, 1620 g with batteries
Optional accessories-----	Aluminum case, reference source, contamination protection

<b>36516-21</b>	LB-124 Contamination Monitor .....	3,840.00
	<i>Incl. wall mount, Ni-MH battery, and charger.</i>	
<b>36516-10</b>	LB-124 Contamination Monitor .....	3,410.00
	<i>Meter only</i>	
<b>OPTIONS:</b>		
<b>38875</b>	Protection Grid .....	155.00
<b>38164</b>	Aluminum Case .....	375.00
<b>38789</b>	Wall mount .....	360.00
<b>41889</b>	AC Power supply .....	95.00

Prices subject to change without notice

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