SEIBERSDORF LABORATORIES

FREQUENTLY ASKED SOLUTIONS

SYSTEM DEVELOPMENT

SSM1-12, LARGE AREA CONTAMINATION PROBE

HIGHLY SENSITIVE CONTAMINATION PROBE

This highly sensitive contamination probe has been developed to quickly and reliably locate the slightest traces of radioactive contamination.

The active measurement area corresponds to the legal requirements of the Austrian Radiation Protection Regulations Appendix 11 for contamination measurements. In accordance, measurements must be carried out in an integrated way over an area of 100 cm^2.

Surface contamination is given in becquerel per cm^2. After measurement has taken place, the activity can be determined using a calibration table.

With this probe it is possible to check rapidly if people, cars and trucks, including freight or luggage, are free of contamination or not. It can be directly connected to the SSM-1+ radiation measuring instrument using the standard cable.

An acoustic display can be switched on and off directly at the probe.

TECHNICAL SPEZIFICATIONS

Material	plastic scintillator
Scintillator volume	400 cm^3
Scintillator dimensions	14 * 10 * 3 cm
Active measurement area	106 cm^2
Energy range	0.03 - 3 MeV
Blank value	50 - 100 pulses/sec
Digital display range	0 - 5000 pulses/sec
Analog display range	0 - 300 pulses/sec
Temperature range	-20 to +50 °C
Housing	IP 54
Mechanical dimensions	35 * 13 * 12 cm
Weight	1.5 kg
Connector	in accordance with MIL-C-26482

CONTACT

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