

Document Contamination Monitor DCM-300 series



Document contamination monitor DCM-300 is intended for detection of beta/gamma contamination of documents. It can be used especially in controlled areas at nuclear power plants.

Purpose

The DCM-300 series Document Contamination Monitors are intended for the detection of beta/gamma contamination of documents.

It can be used especially in controlled areas at nuclear power plants.

Description

The measured documents are inserted into the measuring tray which is mounted on rails. Stack of documents must not exceed the height of the tray. When the door is closed the measurement begins automatically. A display on its front shows the status of the unit or information about contamination of measured documents.

Models and Accessories

Type	Description
K1314	DCM-300F Document Contamination Monitor (beta + gamma)
K1227	DCM-300G Document Contamination Monitor (gamma)
Related Products	
K1112	SIM-02 Small Items Monitor

Common Specification

Detector	2x plastic scintillator
Energy range	60 keV ~ 1.5 MeV
Dimensions (W x H x D)	
Outer	544 x 372 x 335 mm (21.4 x 14.6 x 13.2 in)
Inner	335 x 244 x 30 mm (13.1 x 9.6 x 1.2 in)
Detector	350 x 250 x 50 mm (13.8 x 9.9 x 2 in)
Shielding	25 mm (1 in) lead
Weight	about 90 kg (200 lb)
Power supply	24V DC 0.5 A

Operating conditions

Temperature	5 ~ 45° C (41 ~ 113° F)
Relative humidity	20 ~ 85 % non-cond.

DCM-300F

Measuring range	25 ~ 150000 cps
MDA	¹³⁷ Cs 60 Bq
MDA	⁹⁰ (Sr+Y) 90 Bq

DCM-300G

Measuring range	25 ~ 100000 cps
MDA	¹³⁷ Cs 120 Bq

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