

# Drawer monitor FR-2 S

## High-sensitive radiation monitor with two large-area plastic scintillation detectors for contamination control of tools

### Use and function:

- for fast and reliable contamination control of tools, for example at the exit of a controlled area or in the shop floor area (distribution of material)
- for radiation control of material deliveries at incoming goods inspection

### Performance features:

- small housing with integrated drawer
- detectors mounted above and below the drawer
- 2 high-sensitive  $\gamma$ -plastic scintillation detectors each 340 x 340 x 40 mm (1,156 cm<sup>2</sup>)
- drawer to insert measuring object(s), for example tools
- detectors inside housing shielded by 10 mm of steel
- $\mu$ -processor-based measuring electronics with measuring value indication on LCD
- measuring values as desired in cps or nuclide-related in Bq or Bq/cm<sup>2</sup>
- automatic background measurement and subtraction
- threshold can be set as  $\sigma$ -function. Automatic adaption of threshold to changing background
- optical and acoustic alarm
- software menu for recurring tests
- dimensions of complete system: 455 x 460 x 440 mm (WxDxH)
- inner dimensions of drawer: 330 x 340 x 200 mm (WxDxH)
- stainless steel housing with plastic side parts, integrated hand grips
- detection limit 150 Bq, related to Co-60 with measuring time  $t = 10$
- background measuring time: > 100 s
- calculation according to DIN ISO 11929
- optional stainless steel trolley for mobile use of the system
- power supply 230 V 50 Hz
- total weight approx. 130 kg



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