

Applications

- **Foot Monitor** for the fast Beta contamination check separated for both feet
- **Floor Monitor** for the fast contamination check of floors in controlled areas



- easiest change from Foot Monitor to Floor Monitor
- detectable contamination of $0,30 \text{ Bq/cm}^2$ in only 1,5s measuring time
- rugged stainless steel housing with low construction height

Electronics

- 2 in operation approved Serial Micro Channel SMC 2100 in the variation DS
- 7" TFT colour display with touch functions and swivelling display, resolution 800x480 pixels
- storage of relevant measurement results on Micro SD card
- voice prompts as option possible
- position sensor for automatic choice of the operating mode Foot or Floor Monitor

Detector

- separated detector area for the reduction of the background
- two Beta detectors with a total area of about 1000cm^2
- easy to change, very thin foil for the protection of contaminations
- easy to change protection grid

Firmware in the SmartDisplay

■ Firmware Foot Monitor

- contamination measurement triggered by personnel contact
- separated evaluation for left and right foot
- auto-determination of gate time



■ Firmware Floor Monitor

- rate meter measurement to determine the contamination
- automatic control of the moving speed
- repetitive check support (WKP)



Technical Data

- detectors
 - active detector area 2x 155x320 mm²
 - efficiency ⁶⁰Co typically 10%
 - background rate typically 20 cps
- detectable contamination
 - 0.30 Bq/cm²
 - measuring time 1,5 s (statistic factor 3,3)
- connections
 - interfaces RS485, SmartDisplay: USB
 - DC supply Li ions accumulators 6V, ~ 28h operating time
- construction
 - (L x W x H) stainless steel housing 580 x 530 x 100 mm