

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 Bq/cm² 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

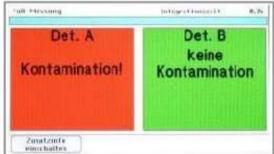
- separated detector area for the reduction of the background
- two Beta detectors with a total area of about 1000cm²
- easy to change, very thin foil for the protection of contaminations
- easy to change protection grid

Foot and Floor Monitor Janus 2100

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