TwoStep™-PRE

Body Contamination Monitor

Nuclear
Power

Homeland
Security
& Defense

Industrial and
Manufacturing

Healthcare

Labs and
Education

OVERVIEW

The TwoStep™-PRE covers parts of the body most likely to be contaminated. It is easy to use and has an excellent user guidance by display and voice prompts. It is working in TwoStep™ mode with large-area gas-flow detectors.

Both design and features of the TwoStep™-PRE body monitor make it an effective contamination monitor for personnel. It enables high throughput of personnel, providing accurate and clear results.

KEY FEATURES

- Easy operation
- Body, foot and forearm measurement
- Position sensor for proximity to detectors
- User guidance by voice prompts
- Automatic adjustment of measurement time
- Operation in cps, cpm, dpm, Bq, nCi, kBq/m^2 and Bq/cm^2

Health Physics

OVERVIEW OF FEATURES

Large area gas-flow proportional counters: alpha/beta measurement (optionally with discrimination). Maximum detection sensitivity for both front and reverse side due to proximity switch: coverage of front and reverse of body, feet, hands, head and forearms.

Operation:
- monitoring of the measurement position by optical sensors
- measurements in cps, cpm, dpm, Bq, nCi, kBq/m^2 and Bq/cm^2
- measurement performed in two steps:
    1. front measurement of the body as well as the head, right hand and forearm, and right foot
    2. reverse side: back measurement, including head, left hand and forearm, and left foot
- display of amount of activity and position of contamination
- user guidance in up to four selectable languages

CUSTOMER BENEFITS

Quick and easy operation with robust performance
- optional P^2 accelerator reduces measurement time up to 30 %

Service and maintenance:
- easily replaceable detectors
- calibration menu providing protocol and including a plateau plotter
- very easy adjustment of all programmable parameters
- data storage on USB or data printout for analysis
- maintenance software tools

Ability to network
- TCP/IP ability
- optional link up with CeMoSys™ server for centralised monitoring

REFERENCES

Mirion body contamination monitors are market leading in Europe and many other countries world-wide.
The TwoStep™-PRE monitor is the ideal monitor to back up whole body contamination monitors as pre-monitor at exit points from controlled areas in nuclear facilities:
- with potential alpha/beta contamination
- with high or changing gamma background
- with high throughput requirements

Since norms, specifications, and designs are subject to occasional change, please ask for confirmation of the information given in this publication.