



RTM750

Laundry and Small-Items Monitor



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

The RTM750 monitor is used to detect and measure radioactive contamination on clothing and small items.

The monitor can be equipped with various detector types to meet the user's specific requirements. The dead-zone-free design ensures highest sensitivity.

Mirion Technologies has over 25 years experience in the development and production of laundry monitors - for reliable monitors which fulfill highest performance requirements.

KEY FEATURES

- High sensitivity, no dead zones
- Beta plastic, gamma plastic or gas detectors, or combinations thereof
- Available in various dimensions
- Automatic speed control
- Height adjustment (2 - 18 cm; optionally more)
- Automatic background subtraction
- Selectable alarm levels in cps, cpm, Bq, Bq/cm²
- Audible alarm indication
- 2nd conveyor for sorting (optional)
- Uninterruptable power supply (optional)

Health Physics

FUNCTIONALITY

The RTM750 is equipped with a stainless steel mesh belt. Detector arrays above and below the belt guarantee a high sensitivity without any dead zones. The gap between belt and upper detector array is adjustable and monitored by light barriers.

The belt speed is dynamically adjusted according to measurement and background conditions, in a range between 0,6 and 12 m/min.

A second conveyor allows for automatic sorting of the clothes according to measurement result (optional).

Contaminations are clearly indicated by visual and audible alarm signals, and results are stored in a measurement database.

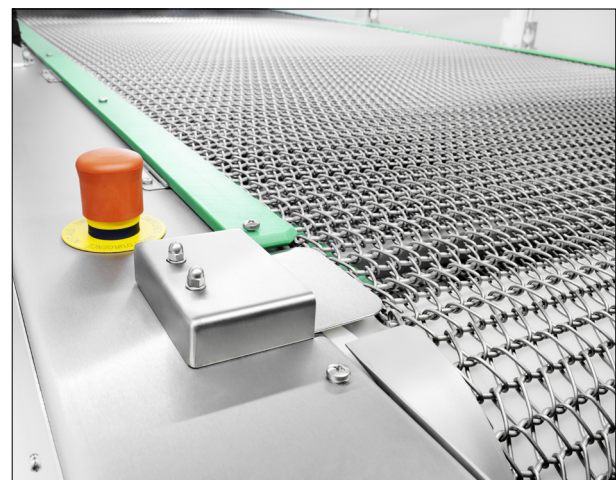


USERS BENEFITS

- High throughput: up to 375 overalls/h
- Contamination measurement from below and above
- Adjustable height of upper detectors (2 - 18 cm; optional up to 40 cm)
- Large TFT 19 " colour display (touch screen optional)
- Automatic system check
- Trackball for parameter setting (optional)
- Uninterruptible power supply (optional)

TECHNICAL SPECIFICATION

| | |
|---------------------|---|
| Standard dimensions | length: 2000 - 3400 mm width: 900 - 1400 mm height: 1730 - 1980 mm |
| | other dimensions possible |
| Detectors | beta plastic scintillation or gas-flow detectors or gamma plastic scintillation or combinations |
| Detection limit | 45 Bq (Co-60, 1.2 m/min) |
| Belt speed | 0,6 m/min - 12m/min |
| Energy range | 50 keV - 3 MeV |



OPTIONS

Impermeable plastic conveyor belt

Additional conveyor for sorting clothes according to measurement result

Mechanical height adjustment for whole RTM750

Tray and trackball, plus finger protection

> GERMANY - HAMBURG

T: +49 40 85193 0 | F: +49 40 85193 256 | E: info-de@mirion.com

> USA - SMYRNA, GEORGIA

T: +1 770 432 2744 | F: +1 770 432 9179 | E: info-us@mirion.com

> FRANCE - LAMANON

T: +33 490 595959 | F: +33 490 595518 | E: Info-fr@mirion.com

> FINLAND - TURKU

T: +358 2 4684 600 | F: +358 2 4684 601 | E: info-fi@mirion.com

> CHINA - SHANGHAI

T: +86 21 6180 6920 | F: +86 21 6180 6924 | E: info-cn@mirion.com

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

Copyright (c) 2015 Mirion Technologies, Inc. or its affiliates. All rights reserved. Mirion, the Mirion logo, and other trade names of Mirion products listed herein are registered trademarks or trademarks of Mirion Technologies, Inc. or its affiliates in the United States and other countries. Third party trademarks mentioned are the property of their respective owners.