TOM-i
Mobile Clearance Monitor

OVERVIEW

TOM-i is the smallest, lightest, and latest member of our CheckPoint:Waste™ family of contamination and clearance products. Designed for Cs-137 release criteria, the monitor weighs not even 65 kg/142 lbs with the modular lead shielding removed – which easily allows transport between locations. The monitor is equipped with the proven technology of Mirion GammaFibre™ detectors. TOM-i is a reliable monitor for quick release measurements of tools, hard hats, and other small items. It is very well suited for high throughput requirements.

KEY FEATURES

- Moveable clearance monitor
- Chamber sized for hard hats (21 litres)
- 2 GammaFibre™ detectors
- 2-door functionality with interlock (single door operation available)
- Microprocessor-controlled
- Embedded computer with touch screen display
**FUNCTIONALITY**

TOM-i is simple to use. It operates in one or two-door mode to release goods from a controlled area. Guidance from the user in both the stand-alone mode or via the embedded computer is straightforward and intuitive. The monitor’s status, as well as alarm conditions, are clearly indicated by changing color LED strips, a bar graph on both the entry and exit sides, and an alarm buzzer. If the monitor includes the embedded computer, the user can easily modify any of the operating parameters. All of these features guarantee reliable and quick measurements, with a high throughput of goods.

**MIRION APP FOR TOM-i**

The readout unit (embedded computer) – with the Mirion app (running on an Android OS) – not only provides a database for the monitor’s measurements, but it also allows the editing of system parameters by appropriate level personnel. Additionally, current measurements are indicated in real time on the display.

**MIRION FIBRE TECHNOLOGY**

The state-of-the-art Mirion GammaFibre™ detector technology has been developed for the highest performance requirements: the scintillating fibre detectors feature the industry’s lowest area of dead zones. This high uniformity of measurement results in consistently exceptional performance. As well, the detector elements are easily removed and replaced for economic operation with minimal downtime.

**TECHNICAL SPECIFICATION**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Dimensions (outer/inner)</td>
<td>580 x 477 x 486 mm / 190 x 295 x 370 mm</td>
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<tr>
<td>Weight (w/o lead)</td>
<td>ca. 65 kg</td>
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<tr>
<td>Detectors</td>
<td>2 GammaFibre™ detectors</td>
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<td>Standard lead shielding</td>
<td>15 mm</td>
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<tr>
<td>Energy range</td>
<td>30 keV - 3 MeV</td>
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**OPTIONS**

- Lead shielding 25 or 50 mm
- Rack of 80 cm height

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

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