

# HI-SCAN™ 6040ds

HEIMANN X-RAY TECHNOLOGY



## Feature Highlights

- **Compact solution for mobile and stationary applications**
- **State of the art technology with HI-MAT<sup>Plus</sup> material classification**

### Optional

- **HI-TIP: Threat Image Projection**
- **Xtrain: Operator training system**
- **IMS: Electronic image storage and archive**
- **Xport: Image export in TIF- or JPEG format incl. automatic transmission to PC via Ethernet**

HI-SCAN 6040ds has been specially developed to prevent the smuggling of dangerous objects in briefcases, handbags, rucksacks, carrier bags etc..

The system stands out with a modern design and a robust structure, optimum dimensions and a very low weight. Therefore, it is excellently suited to be used as a mobile inspection system at changing sites.

The system is filmsafe and able to penetrate up to 30 mm steel. Objects of 60 cm width and 40cm height and unlimited length can be scanned without problems.

HI-SCAN 6040ds is very easy to operate. The scanned objects can be visualized as classified material groups allowing the operator to easily and precisely identify the contents. The excellent technical equipment facilitates maximum inspection quality at minimum inspection time.

HI-SCAN 6040ds: the robust, light-weight system for security checks in entrance areas.

# Technical Data **HI-SCAN 6040ds**

## General Specifications

|  |  |
|--|--|
| Tunnel dimensions                                  | 620 (B) x 420 (H) [mm] • 24.4" (B) x 16.5" (H)               |
| Max. object size                                   | 615 (B) x 410 (H) [mm] • 24.2" (B) x 16.1" (H)               |
| Conveyor height <sup>1)</sup>                      | approx. 650 mm (25.6")                                       |
| Conveyor speed at mains frequency<br>50 Hz / 60 Hz | approx. 0.2 / 0.24 [m/s]                                     |
| Max. conveyor load (evenly distributed)            | 100 kg (220.5 lbs)   |
| Resolution (wire detectability <sup>3)</sup> )     | Standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm)        |
| Penetration (steel) <sup>3)</sup>                  | Standard: 27 mm • typical: 30 mm                             |
| X-ray dose (typical)                               | HI-MAT: 1.6 µSv (0.16 mrem)                                  |
| Film safety  | Guaranteed even for high speed films up to ISO 1600 (33 DIN) |
| Duty cycle   | 100 %, no warm-up procedure required                         |

## X-ray Generator

|                         |  |
|-------------------------|--|
| Anode voltage • cooling | 140 kV cp • hermetically sealed oil bath |
| Beam direction          | diagonal                                 |

## Image Generating System

|                            |  |
|----------------------------|--|
| X-ray converter            | L-shaped detector line, high resolution  |
| Grey levels stored         | 4096   |
| Image presentation         | B/W, color   |
| Digital video memory       | 1280 x 1024 / 24 bit   |
| Image evaluation functions | B/W, HIGH, LOW, NEG; incl. Option HI-MAT, additionally VARI-MAT, O <sup>2</sup> , OS |
| Monitor                    | electronic zoom: stepless enlargement up to 16-times<br>Flat Panel LCD Monitor       |

## Additional Features

|          |  |
|----------|--|
| Features | Luggage counter, user-id number, display of operating mode, REVIEW-feature to recall previously visible image areas, zoom overview, free programmable keys |
| Options  | HI-TIP, HI-SPOT, SEN, Xport, X-ACT, IMS (Image Management System)  |

## Installation Data

|                                   |  |
|-----------------------------------|--|
| X-ray leakage                     | meets all applicable laws and regulations with respect to X-ray emitting devices   |
| CE-labelling                      | in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC  |
| Sound pressure level              | < 56 dB(A)   |
| Operating- / storage temperature  | 0° - 40°C / -20°C - +60°C  |
| Humidity                          | 10% - 90% (non-condensing)   |
| Power supply <sup>4)</sup>        | standard: 230 VAC or 110 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz  |
| Power consumption                 | approx. 0.5 kVA  |
| Protection class system           | IP 20  |
| Dimensions • Weight <sup>5)</sup> | 1730 (L) <sup>2)</sup> x 797 (B) x 1180 (H) [mm] • approx. 340 kg<br>68" (L) <sup>2)</sup> x 31.4" (B) x 46.5" (H) • approx. 748 lbs |
| Mechanical construction           | Steel construction with aluminum panels<br>standard color(s): RAL 7016 / stainless steel   |

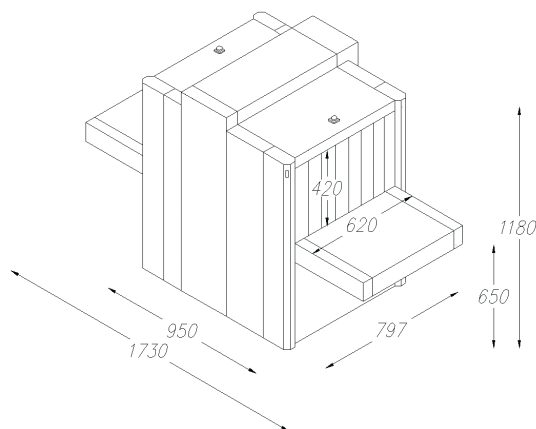
<sup>1)</sup> approx. values (adjustable)

<sup>2)</sup> different length of conveyor and mechanical access protection on request

<sup>3)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>4)</sup> different values optional

<sup>5)</sup> without control desk, keyboard, monitor(s) etc.



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
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