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# HI-SCAN™ 100100V-2is
## HEIMANN X-RAY TECHNOLOGY
### New: 160 kV X-ray source – typical steel penetration 37 mm

## Feature Highlights

• Ideal method of inspecting parcels and packages

• Dual View shortens inspection times

• Smallest footprint in its range

• Lowered conveyor height of 60 cm

• Extended conveyor load of 220 kg

• Typical steel penetration of 37 mm in view A and B

• Ideal for inspecting break bulk cargo



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HI-SCAN 100100V-2is is especially designed to meet the requirements and needs of airports, customs facilities, carriers, parcel services or wherever high security of alarge variety of dimensions is required.

The HI-SCAN 100100V-2is equipped with two 160kV generators in a 90° opposition thus providing a horizontal and vertical view of the screened object (Dual View). This particular screening method facilitates reliably inspections of tightly packed objects in one process while shortening inspection times.

Its compact system design provides highest performance on smallest footprint. Additionally, the optimised conveyor load of 220 kg allows the fast screening of break bulk cargo.

## General Specifications

| | |
|---|---|
| Tunnel dimensions | 1010 (W) x 1010 (H) [mm] • 39.7" (W) x 39.7" (H) |
| Max. object size | 1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H) |
| Conveyor height [1] | approx. 620 mm (24.4") |
| Conveyor speed (adjustable with frequency converter) | typical 0.2 [m/s] |
| max. conveyor load even distributed over the whole conveyor [2] | 220 kg (485 lbs) |
| Resolution (wire detectability) | standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm) |
| Penetration (steel) [3] | standard (view A): 35 mm • typical (view A): 37 mm |
| | standard (view B): 35 mm • typical (view B): 37 mm |
| X-ray dose / inspection (typical) | HI-MAT: 3.4 µSv (0.34 mrem) |
| Film safety | guaranteed up to ISO 1600 (33 DIN) |
| Duty cycle | 100 %, no warm-up procedure required |

## X-ray Generator

| | |
|---|---|
| Anode voltage • cooling | 160 kV cp • hermetically sealed oil bath |
| Beam directions view A / view B | view A: diagonal from side / view B: diagonal from bottom to top |

## Image Generating System

| | |
|---|---|
| X-ray converter | L-shaped detector line |
| Grey levels stored | 4096 |
| Image presentation | B/W, color |
| Digital video memory | 1280 x 1024 / 24 bit |
| Image evaluation functions | VARI-MAT, O2, OS, HIGH, REVIEW, LOW, NEG |
| | electronic zoom: stepless enlargement up to 64 times |
| Monitor | Flat Panel LCD Monitor |

## Additional Features

| | |
|---|---|
| **Features** | fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom |
| Options | X-ACT, HI-TIP, HI-SPOT, SEN, XPlore, IMS (Image Store System - stores up to 100,000 images), Xport |

## Installation Data

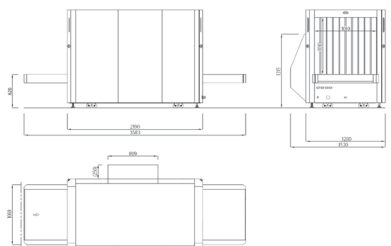| | |
|---|---|
| X-ray leakage | meets all applicable laws and regulations with respect to X-ray emitting devices. |
| CE-labelling | in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU |
| Sound pressure level | < 65 dB(A) |
| Operating- / storage temperature | 0° - 40°C / -20°C - +60°C |
| Humidity | 5% - 95% (non-condensing |
| Power supply [3] | standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz |
| Power consumption | approx. 1.3 kVA |
| Protection class system / keyboard | IP 20 / IP 43 |
| Dimensions • Weight [4] | 3578 (L) x 1234 (W) x 1900 (H) [mm] • approx. 930 kg |
| | 141.0" (L) x 48.6" (W) x 74.8" (H) • approx. 2050 lbs |
| Mechanical construction | steel construction with steel panels, mounted on roller castorsstandard color: RAL 7016 (dark gray) |

1) approx. values (adjustable)
2) proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s
3) different values optional
4) without control desk, keyboard, monitor(s) etc.
5) measured at ambient temperature of 20°C and nominal voltage