

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**

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 a large variety of dimensions is required.

The HI-SCAN 100100V-2is is 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.

Technical Data **HI-SCAN 100100V-2is**

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 ⁵⁾	220 kg (485 lbs)
Resolution (wire detectability) ²⁾	standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
Penetration (steel) ²⁾	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, O ² , 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 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (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⁾	3585 (L) x 1530 (W) x 1750 (H) [mm] • approx. 1050 kg 141.1" (L) x 60.2" (W) x 68.9" (H) • approx. 2315 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color: RAL 7016 (dark gray)

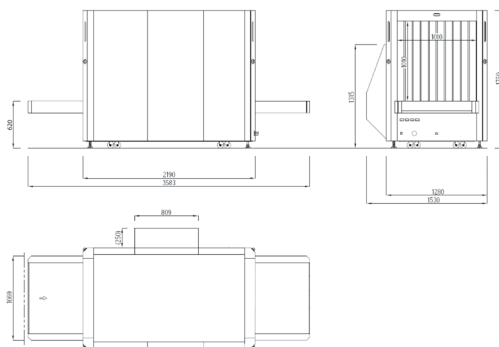
¹⁾ approx. values (adjustable)

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



For product information, sales or service, please go to www.smithsdetection.com/locations

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany
Modifications reserved. 95591589 28/02/2017 © Smiths Detection Group Ltd. - In some cases, the figures contain options
HI-SCAN is a trademark of Smiths Detection Group Ltd.

smiths detection