

HI-SCAN 180180-300kV-2is

HEIMANN X-RAY INSPECTION SYSTEM



Feature Highlights

- Universal X-ray system for bulk items
- Excellent image presentation (optimal X-ray geometry)
- · Outstanding image quality with new HiTraX electronics
- New HI-MAT Plus technology for better material distinction
- Typical penetration 60 mm of steel
- EU 781/2005 compliance at scanning speed 0.12 m/s
- Dual view concept

The HI-SCAN 180180-300kV-2is an advancement of the HI-SCAN 180180-300kV, especially designed to meet the needs and applications of airports, customs facilities, transportation operations, carriers, parcel services or wherever high security and total screening is required.

It is a compact medium energy (300 kV) X-ray cargo inspection system with tunnel dimensions of 1800 mm (71") width and 1800 mm (71") height. It permits the inspection of pallets and LD-3 airfreight containers.

The HI-SCAN 180180-300kV-2is is equipped with two generators thus beaming in two directions (Dual View). This particular screening mode facilitates reli-

able inspections in one process while shortening inspection times and increasing the effectiveness of the procedure.

With an installation base of more than 30,000 X-ray security units distributed throughout 150 countries in all continents and a worldwide customer service network Smiths Heiman is the unequalled world leader in supplying X-ray security systems.

Operator training courses offered by Smiths Heimann have an excellent reputation all over the world and are carried out individually for each customer.

Technical Data HI-SCAN 180180-300kV-2is

General Specifications

Tunnel dimensions Max. object size Conveyor type Conveyor height 1) Conveyor speed (adjustable with

frequency converter)

max. conveyor load even distributed over the whole conveyor

Resolution (wire detectability) Penetration (steel) 3)

X-ray dose / inspection (typical)

Film safety Duty cycle

1810 (W) x 1810 (H) [mm] • 71.3" (W) x 71.3" (H) 1790 (W) x 1700 (H) [mm] • 70.5" (W) x 66.9" (H)

standard: roller conveyor • option heavy duty roller conveyor

approx. 315 mm (12.4")

standard 0.24 [m/s] • option 0.12 [m/s] complies to EU 781/2005 (also to the respective standards will be effective from 01.01.2009) 1200 kg (2700 lbs) • option 2 3000 kg (6614 lbs)

standard: 32 AWG (0.2 mm) • typical: 34 AWG (0.16 mm)

standard: 55 mm • typical: 60 mm

standard: approx. 2 µSv (0.2 mrem) • with HI-MAT: approx. 4 µSv (0.4 mrem)

guaranteed up to ISO 1600 (33 DIN) 100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling Beam direction view 1 / view 2 300 kV cp • hermetically sealed oil bath

view 1: diagonal from side, view 2: diagonal from top to bottom

Image Generating System

X-ray converter Grey levels stored Image presentation Digital video memory

Image evaluation functions

Monitor

L-shaped detector line

4096 B/W, color 1280 x 1024 / 24 bit VARI-MAT, O2, OS, HIGH

electronic zoom: stepless enlargement up to 16-times

17"-color monitor, emission meets MPR II and TCO 99 standards

other monitors on request

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 HI-SPOT, SEN, XPlore, IMS (image management system), Xport, Media Bay

for RIDA (250 GB), ZIP module or CD/RW module

Installation Data _

X-ray leakage

CE-labelling Operating- / storage temperature 4)

Humidity Power supply 5) Power consumption Protection class keyboard Dimensions • Weight 6)

Mechanical construction

meets all applicable laws and regulations with respect to X-ray emitting

in compliance with guidelines 98/37/EWG, 72/23/EWG, 89/336/EWG

0° - 40°C / -20°C - +60°C 10% - 90% (non-condensing)

400 VAC, 3 phases • 50 Hz / 60 Hz ± 3 Hz approx. 3,5 kVA (without options)

approx. 7260 (L) x 3508 (W) x 3671 (H) [mm] • approx. 7500 kg approx. 285.8" (L) x 138.1" (W) x 144.5" (H) • approx. 16535 lbs steel construction with steel panels, mounted on roller castors

standard color(s): RAL 7016 (dark gray)

3] measured in beam direction

^{6]} without control desk, keyboard, monitor(s) etc.

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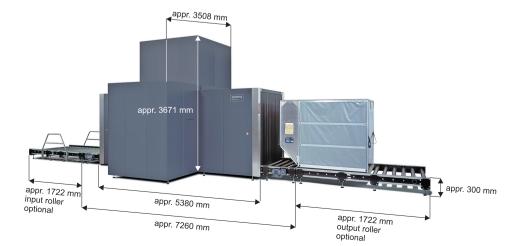
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¹⁾ approx. values (adjustable)

^{2]} option: heavy duty roller conveyor

⁴⁾ extended temperature range on request ⁵⁾ optional: 200 VAC, 220 VAC, 380 VAC, 415 VAC, 480 VAC