

HI-SCAN 6030di

HEIMANN X-RAY INSPECTION SYSTEM



Feature Highlights

- Mobile X-ray inspection system with a tunnel opening of 620 mm (24") wide by 330 mm (13") high
- Compact system design with optimized dimensions and weight
- Monitor protection housing and lockable keyboard mount are available as options
- State of the art HiTraX system technology with HI-MAT^{Plus} material classification
- High performance: Typical penetration 30 mm of steel, wire resolution up to AWG 39

Technical Data HI-SCAN 6030di

General Specifications

Tunnel dimensions	620 (W) x 330 (H) [mm] • 24.4" (W) x 13" (H)
Max. object size	610 (W) x 320 (H) [mm] • 24" (W) x 12.6" (H)
Conveyor height ¹⁾	approx. 690 mm [27.2"]
Conveyor speed at mains frequency	approx. 0.2 / 0.24 [m/s]
50 Hz / 60 Hz	
max. conveyor load even distributed over the whole conveyor	100 kg (220 lbs)
Resolution (wire detectability)	standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm)
Penetration (steel) ³⁾	standard: 27 mm • typical: 30 mm
X-ray dose / inspection (typical)	standard: 0.7 µSv (0.07 mrem) • with HI-MAT: 1.6 µSv (0.16 mrem)
Film safety	guaranteed 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
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	VARI, O ² , OS, HIGH
	electronic zoom: enlargement 2-, 3-, 4-, ... 16-times
Monitor	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 image areas no more visible)
Options	Zoom-overview, free programmable keys, USB 2.0 interface, stepless zoom HI-MAT (distinction of material groups), X-ACT, HI-TIP, HI-SPOT, SEN, XPIore, IMS (image management system), Xport

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with guidelines 98/37/EWG, 72/23/EWG, 89/336/EWG
Sound pressure level	< 70 dB(A)
Operating- / storage temperature ⁴⁾	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply ⁵⁾	standard: 230 VAC or 110 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 0.9 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight ⁶⁾	1379 (L) x 797 (W) x 1120 (H) [mm] • approx. 350 kg 54.3" (L) x 31.4" (W) x 44.1" (H) • approx. 772 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 (dark gray) / Stainless steel

¹⁾ approx. values (adjustable)

²⁾ higher conveyor load at systems with frequency converter

³⁾ Conds.: steel step wedge, CU wires, belt speed 0.2 m/s

⁴⁾ extended temperature range on request

⁵⁾ different values optional

⁶⁾ without control desk, keyboard, monitor(s) etc.



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