Garrett PD 6500*i*

GARRETT: The Global Leader of Security Metal Detectors and Checkpoint Screening

NOW Meets IP55 Standards for Water and Foreign Matter Protection

Enhanced Pinpoint Walk-Through Metal Detector

The PD 6500*i* is the world's highest performing walk-through metal detector and leads the industry with superior pinpoint technology and

unmatched discrimination features. Designed for maximum patron throughput without compromising safety, the PD*i* is the walk-through of choice for security professionals worldwide.

FEATURES

- Superior target detection with unmatched discrimination of harmless items such as coins, jewelry, keys, cigarette packs, etc.

- The ultimate in safety, throughput and reliability with preset programs to cover the most complete range of security applications including the new Transportation Security Administration's (TSA) Enhanced Metal Detector (EMD) System required for all post 9-11 U.S airport installations.

- Multi-dimensional coil design (33 distinct pinpoint zones) provides superior detection and location of guns, knives and other flat and rod-shaped weapons regardless of orientation.

- Circuitry with advanced Digital Signal Processor (DSP) technology locates even small, hard-to-find, floor level weapons.

- Individual zone boost adjustments allow for customization of detection characteristics and/or compensation for metallic environmental challenges.

- Durable, IP 55 weather-proof construction.

APPLICATIONS

Airports	Loss Prevention
Correctional Facilities	Nuclear Facilities
Arenas	Transportation Terminals
Public and Private Buildings	Courthouses
Schools	Corporate Security
Special Events	

PD 6500*i* Enhanced Walk-Through Metal Detector

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Garrett Metal Detectors is the global leader of security walk-through
and hand-held metal detection products and training. From the Olympic Games to U.S. and international airports, Garrett has the proven experience, expertise and reliable products you need to design the most effective security screening checkpoint for your unique application. Whether it's one walk-through unit or a hundred, let Garrett Metal Detectors work with you to make your facility or event more secure.

Easy Assembly

The PD 6500*i*'s modular design allows for a quick and simple assembly of its 4 (four) sub assemblies using only 8 (eight) screws and 3 (three) internal electrical connections.

Pinpoint Zone Detection

Garrett's exclusive multiple target pinpointing with 33 distinct zones shows precise target location on the left, center and right side of the
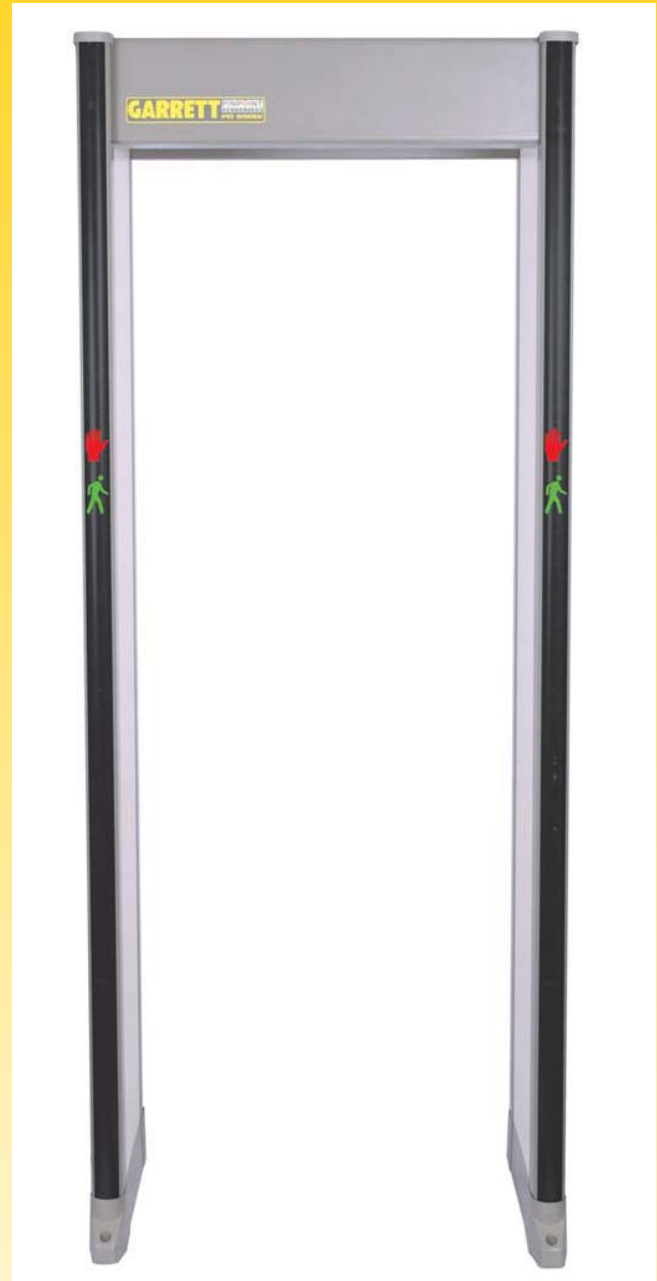body from head to toe.

Entry Pacing Lights

Smooth, efficient traffic flow with easy-to-view, eye-level pacing lights with international "wait" and "proceed" symbols on the entrance side of each panel.

Floor Mounting Option

The PD 6500*i* can be mounted using the optional Adhesive Floor Mounting Kit (Figure 1), which can be used to protect valuable flooring surfaces while preventing unit movement.
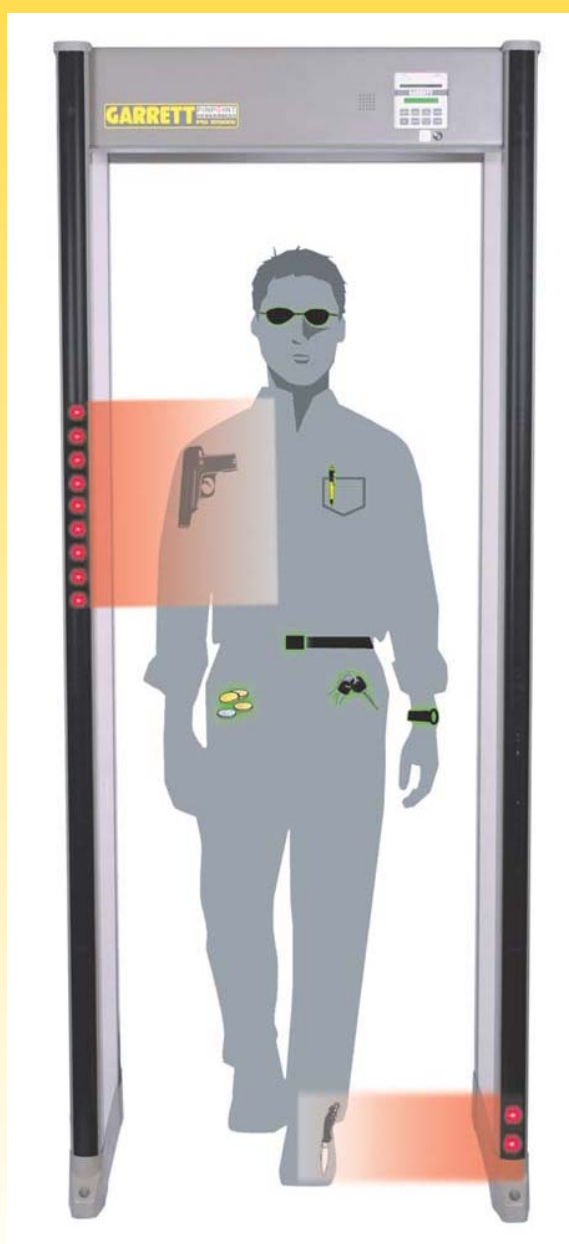

Figure 1

Entrance View with international pacing lights shown

All connections, wires and electronics to the PD 6500*i* are securely

enclosed within the locking Detection Head.

The PD 6500*i*'s Access Control Panel is designed for use by authorized personnel with specific, multi-level security codes. It allows authorized users to change settings such as detection Program and Sensitivity. Security of the detector's settings is maintained with a non-resettable sequence code, which indicates every attempt at access to the settings. A tamper alarm sounds within 10 seconds after the Access Touchpad is pressed, unless a proper access code is entered.

The PD 6500*i* maintains all settings even when disconnected from power and does not require recalibration each time the unit is turned OFF and back ON. No battery is required for memory retention. While the unit is in operation, a self-test of all systems is performed continuously with any failures or problems immediately reported on the LCD display.

Overhead Control Unit
LCD Display, alarm lights, LED bar graphs and control touchpads plus all wiring, connections and electronics are integrated into a single, lockable overhead compartment which eliminate exposure of wires and external control box.

Multi-Dimensional Coil Design
The PD 6500*i*'s exclusive multi-dimensional coil design provides unmatched detection of potentially lethal metal items such as guns, knives and other flat and rod-shaped weapons regardless of location and orientation.

Audible and Visual Alarms
Audible alarm and visual LED lights signal when a target has been detected.

33 Distinct Pinpoint Detection Zones
The PD 6500*i* offers exclusive multiple target pinpointing with 33 distinct zones for full target coverage on the left, center and right side of the body from head to toe.

Digital Signal Processor (DSP) based Technology
DSP provides greater sensitivity, noise immunity, discrimination, detection uniformity and overall product reliability.

Exit View - Detection of multiple weapons illustrated

Passageway Interior	Overall Exterior	Shipping
Width 30" (0.76 m)	Width 35" (0.9 m)	Width 35.5" (0.9 m)
Height 80" (2 m)	Height 87" (2.2 m)	Height 92" (2.3 m)
Depth 23" (0.58 m)	Depth 23" (0.58 m)	Depth 6.5" (0.17 m)

Weight: 143 lbs (64 kg)   Shipping Weight: 165 lbs (74 kg)

PD 6500*i* Enhanced Walk-Through Metal Detector

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SPECIFICATIONS

Operating Temperatures

-4°F (-20°C) to + 158°F (70°C); Humidity: To 95% noncondensing

Power
Fully automatic 100 to 240 VAC, 50 or 60 Hertz, 5 watts; no rewiring, switching or adjustments required. Power supply meets UL, CSA, TUV and VDE standards.

Weatherproofing / Foreign Object Protection Standards
Meets IP 55, IEC Standard. "Degrees of Protection provided by Enclosures," IEC 529.

Tamper-Proof

All settings are secured with a key lock and two levels of access codes. Further security is accomplished with a cabinet lock which prevents unauthorized access to physical cables, connectors and electronics.

Construction
Attractive scratch and mar-resistant laminate. Detection Heads and Support: Heavy duty aluminum.

Control Outputs
Solid state switches (low voltage AC or DC) for operating external alarms and control devices.

Traffic Counter

Counter tracks the number of patrons that have passed through the detector, the number of alarms and calculates alarm percentage.

Synchronization
Dual channels and DSP circuitry allow several PD 6500*i*'s to operate simultaneously in close proximity to one another.

Interference Suppression

Special Garrett DSP built-in circuitry eliminates effects from x-ray monitors and other potential electrical interference sources.

Programs

Sixteen (16) independent programs designed to meet all installation-specific requirements including the new TSA Enhanced Metal Detector (EMD) System requirements for all U.S. airports.

Alarms
Audible tone and volume adjustable. Bright LED visual alarm.

Target Pinpointing Lights

Thirty-three (33) distinct zones are displayed with two (2) independent columns of LED's located on exit side of PD 6500*i*.

Pacing Lights
International symbols

Warranty
24 months, parts and labor

ACCESSORIES

A. Battery Backup Module - Allows up to twelve (12) hours of backup use. Charger inlcuded (Model # 2225400) (Euro Model # 2225470)

B. Desktop Remote Control - For remote operation of the PD 6500*i* from up to 50 feet (standard). Contact Garrett for optional lengths) (Model # 2225600)

C. Operational Test Piece (OTP) - Designed to FAA 3-gun test requirements. (Model # 1600600)

D. Removable MagnaDolly - Removable wheel assembly for easy portability. (Model # 1168000)

Permanent MagnaDolly - Permanently fastens to the PD 6500*i* for easy portability. (Model # 1169000, not shown)

E. Control Monitor Analyzer (CMA) - The CMA Interface Module is used with a 10baseT network and a personal computer. It allows control, real time monitoring and diagnostics from a remote location. The internal memory records all changes to settings and passenger traffic and alarm history for analytical evaluation. (Model # 1168310)

F. Adhesive Floor Mount Kit (4 included) (Model # 1604100)

G. 10 ft. Cord Jumper - Allows multiple PD 6500*i* units, in close proximity, to be linked to the same power source. (Model # 9431900)

REGULATORY INFORMATION
The PD 6500*i* meets or exceeds all industry safety and electromagnetic compatibility (EMC) standards, including the Transportation Security Administration's (TSA) Enhanced Metal Detector (EMD) specifications for post 9-11 U.S. airport walk-through metal detector installations.

The PD 6500*i* conforms to international directives (CE and CSA approved with IEC "CB" test certification).

Extensive research has found no information that would indicate Garrett products have adverse effects on pregnancy, medical devices or magnetic recording media. However, directives by physicians and medical device manufacturers regarding metal detectors should be followed. "International Commission of Non Ionizing Radiation Protection (ICNIRP) Reference for levels for general public exposure".