BRAND: GARRETT
MODEL: PD 6500i
CODE: D105601004

METAL DETECTOR ARC OF 06 ZONES and 33 PINPOINT SUBZONES, TSA CERTIFIED

1. Description:

This detector arc leads the industry with its superior locating technology and unmatched feature distinction. Engineered for maximum performance without compromising safety, this is the ideal arc detector for security professionals around the world.

This detector arc is ideal for special event use when configured with a drum module and wheel set. This option thus allows easy deployment in events, stadiums, schools and other large spaces where there are no cables. In minutes, a checkpoint can be installed or moved to another location to meet security needs at any time.

2. Characteristics:

- **6 independent sensitivity adjustment zones and 33 specific pintpoint sub-zones** to locate multiple metal targets from head to toe on the left, center and right parts of the body.
- **Multi-brand compatibility:**can be added to existing checkpoints without having to replace third-party units. Includes multiple channels and 2,300 selectable operating frequencies.
- **Optimal performance:** More than 20 standard program configurations scientifically designed to address the needs of airports, courthouses, prisons, schools, facilities, special events, public transportation, loss prevention, and other applications.
- **Quick start** in less than 5 seconds.
- **Quick program change:** you can change programs on the fly without waiting for the system to update.
- **Pacemaker lights:** Universal "wait" and "continue" symbols at detector input for traffic controls.
- **International safety standards**, this model meets the highest test certifications including the following: TSA, ECAC, STAC, AENA, CJIAC, and DfT.
- **Double detection**: This unique two-sided technology has transmitters and receivers on each side panel to allow scanning from both sides, resulting in uniform detection throughout the arc. It also provides superior noise cancellation resulting in easier setup (i.e., there is no need to rotate the unit to avoid interference from nearby equipment, such as other metal detectors or X-ray machines).
- **Directional counter**, with four ways to count (forward, reverse, subtract reverse and bi-directional).
- **Advanced broadband sensing technology**, Analyzes targets in a wide range of frequencies for greater precision. Provides superior ferrous and non-ferrous detection. Improved discrimination means fewer false alarms and higher performance.
- **Superior versatility**, menu-based settings for the selection of functions such as alarm indication, counting method and language without the use of a computer. Field programmable to allow system upgrades. Multiple units can be installed up to 2 inches apart.

- **More accurate pinpointing:**With more than four times the detection coils of competitive models, the PD 6500i provides consistent detection and precise localization. Independent zone indicator lights on both side panels identify not only the height but also the left, center and right locations of one or more objects passing through the arch.
- **Tamper-proof:**all settings are secured with a key lock and two levels of access codes. Added security is achieved with a cabinet lock that prevents unauthorized access to physical cables, connectors, and electronic components.
- **Easy assembly:** The modular design of the PD 6500i allows for quick and easy assembly of its four (4) sub-assemblies using just eight (8) screws and three (3) internal cable connections.
- **Technology based on Digital Signal Processor (DSP):** DSP provides increased sensitivity, noise immunity, discrimination, detection uniformity, and overall product reliability.

3. Technical specifications:

- **Standard programs:** More than 20 application programs included.
- **Sensitivity:** Up to 200 different sensitivity levels.
- **Optics:** 2 infrared.
- **Zone indications:** 33 independent zones.
- **Ceiling control unit:** All electronic components (LCD, alarm light, LED bar graph, touch controls) integrated to eliminate cable exposure.
- **Tamper-proof configuration:** Three levels of security authorization access.
- **Self-diagnosis program:** complete and automatic.
- **Calibration:** Automatic and manual calibration.
- **Initiation time:** 1 second.
- **Zone sensitivity increase:** Adjustable in six areas.
- **Maximum passing speed:** 15 m / sec
- **Temperatures:**
    - **Operation**: -20 ° C to 65 ° C (-4 ° F to 149 ° F).
    - **Storage**: -40 ° C to 70 ° C (-40 ° F to 158 ° F).
    - **Humidity:**Up to 95% non-condensing.
- **Energy**: Automatic from 100 to 240 VAC, 50 or 60 Hertz, 45 Watts; no wiring, connections or adjustments required.
- **Impermeability**: Complies with IP 55, IP 65, IEC 529 Standard for humidity, protection against foreign matter.
- **Construction**: Attractive scratch and scuff resistant laminate. Detection Heads and Bracket: High Strength Aluminum. Immunity to electrical interference, ambient noise and mechanical vibrations.
- **Output control:**Solid state switches (AC or DC low voltage) to operate external alarms and control devices.
- **Alarm indicators / random alarm function**: 33 zones, adjustable volume audible tone, bright LED visual and remote alarms. Random alarm function: adjustable from 0 to 50 percent. Alarm proportional to the mass of the detected object. 90 db alarm at 1 m distance.

- **Interior passage dimensions:**
    - **Broad**: 0.76 m. (30 inch)
    - **High**: 2.03 m. (80 inch)

- Depth : 0.58 m. (23 inch)

- General exterior dimensions:
  - Broad : 0.90 m. (35 inch)
  - High : 2.21 m. (87 inch)
  - Depth : 0.58 m. (23 inch)
- Packing dimensions:
  - Width: 0.90 m. (35.5 inch)
  - Height: 2.32 m. (91.5 inch)
  - Depth: 0.16 m. (6.25 inch)
- Weight : 64 Kg. (143 lb.)
- Packing weight: 74 kg. (165 lb.)
- Warranty: 24 months (02 years), for spare parts and labor.

4. Standards and Regulatory Information:

It complies with international airport standards such as TSA, ECAC, STAC, AENA, CJIAC, DFT. Additionally, it complies with the standards and requirements such as the USMS, NIJ -0601.02, NILECJ. Meets CE, FCC, CSA, IEC, ICNIRP, and IEEE electrical safety and compatibility requirements.

5. Product image:

6. Application Pictures:

7. Optional accessories (Not included in the cost of the product):

- **Wheel set for walker**: Includes 2 rigid wheels and 2 locking swivel wheels.
- **Desktop remote control with zone indicator**: For remote operation of the arc up to a distance of 15.24 m. (50 feet).
- **Backup battery module**: Provides up to 10 hours of backup.
- **Backup Extended Battery Module**: Provides up to 30 hours of backup. Available only for gray gamut detectors.
- **Wireless remote control,**for configuration and programming of the arc.
- **Analysis, monitoring and control module for network connection capacity**- Allows control, real-time monitoring and diagnostics of the arc from a remote location. You can analyze groups of detector arcs for pattern analysis and alarms.
- **Operational test piece**: designed for FAA-3 weapon requirements.
- **Flat test piece**: designed to simulate a small knife.
- **Removable wheel base**- With removable wheel assembly for easy portability.
- **Analysis, monitoring and control module (wireless) for network connection capacity.**
- **Charger cable 1.52 m. (5 feet)**: allows multiple detector arcs to be charged from a single power source.
- **Coupling cable 3.04 m. (10 foot)**: Allows multiple detector arches to be linked from the same power source while operating closely.
- **Stabilizing base to the floor**, 02 units included.
- **Support arm for transport:** provides a collapsible solution that is compatible with the metal detector during transport.
- **Adhesive floor mounting kit**: 04 units included.
- **Permanent wheel base**- Permanently secured to the bow for easy portability, requires installation.
- **High quality nylon sheath for the bow:**UV resistant. Protects equipment from dust and heavy rain.
- **IP65 protection:** for outdoor work.

NOTE:

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