

**APPLICATIONS:**

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



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Walk-Through Metal Detector

The Garrett CS 5000 is one of the industry's most economical and effective walk-through metal detectors. With microprocessor technology, the CS 5000 offers greater sensitivity for detecting weapons from the archway to the floor. The CS 5000 is a proven unit for security applications around the world.

FEATURES

- **Microprocessor technology** in detection and control circuitry.
- **Uniform coverage** from archway to floor.
- **Greater sensitivity** for detecting metal weapons.
- **Precise control** of Program / Sensitivity settings.
- **Continuous online reports** of operating status.
- **Tamper proof settings** through computerized access codes.
- **Three levels** of ankle boost sensitivity.
- **Self diagnostic program:** complete and automatic.
- **Noise reduction** to prevent false alarms.
- **Rugged, lightweight design** with quick assembly.
- **Optional battery pack** for use anywhere.

**Cost Effective
Solid Security**

The CS 5000 meets Electrical Safety and Compatability Requirements for CE, FCC, ICNIRP and IEEE.



Article-No.: 98020

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

Garrett's CS 5000 is easily assembled with only 4 (four) pieces and 8 (eight) screws and simple to follow instructions.

Multi-Dimensional Scanning

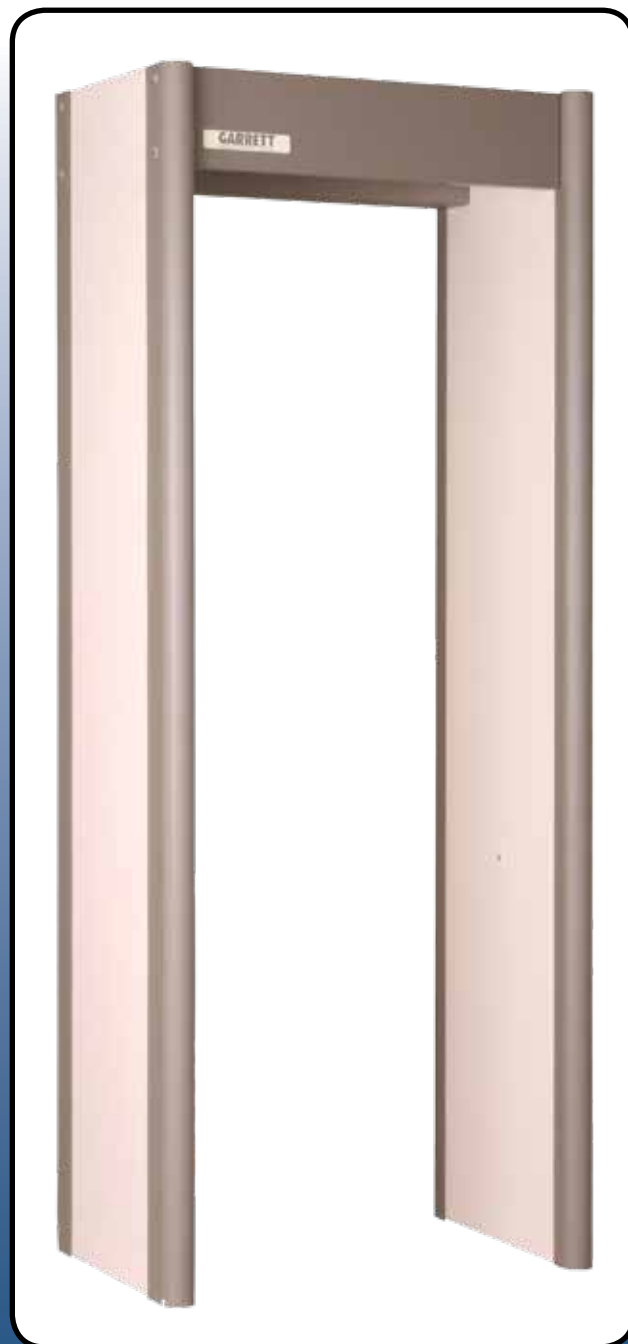
The CS 5000 uses microprocessors in both detection and control circuits to ensure enhanced sensitivity and programming flexibility. The CS 5000 offers an almost infinite number of precise and resettable program/sensitivity settings, enabling it to respond more effectively to weapons while ignoring harmless objects. Uniform detection from archway to floor meets the demanding needs of today's security professionals around the world.

Convenient Touchpad Controls

Eight (8) touchpad controls perform all control functions on the CS 5000 and clearly report all calibration and operating information with alphanumeric displays. Touchpads include: STANDBY, OPERATE, COUNTER, VOLUME, +/-, PROGRAM and ACCESS.

Instruction Manual and Video

The CS 5000 comes with a standard User's Manual that easily guides you through the functions, settings and programs of the unit. An instructional video is also available.



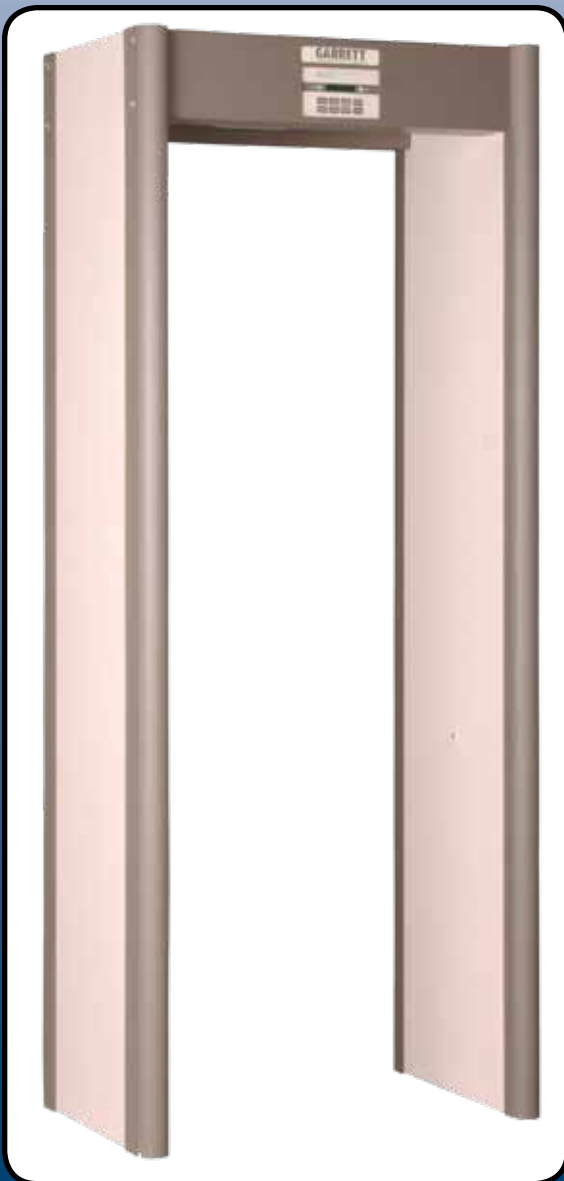
Entrance View



LEFT: The connections, wires and electronics to the CS 5000 are accessible on the inside of the Rear Entry Detection Head.

The CS 5000's Access Control Panel is designed for use by authorized personnel with specific 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 CS 5000 includes 20 standard programs, which are maintained in an electrically erasable non-volatile memory for the ultimate in security application versatility. The unit maintains all settings even when disconnected from power and does not require recalibration when the unit is turned OFF and back ON. No battery is required for memory retention. When the unit is in operation, a self-test of all systems is performed continuously with any failures or problems reported on the LCD.



Exit View

Overhead Control Unit

LCD display, alarm lights, LED bar graphs and control touchpads plus all wiring, connections and electronics are integrated into a single overhead compartment which eliminates exposure of wires and external control box.

Microprocessor Controlled

State of the art microprocessors ensure sensitivity and flexibility of programming with a maximum of 200 distinct sensitivity levels.

Audible and Visual Alarms

Audible and visual alarms are activated when a target amount of metal is detected; LED bar graph indicates the amplitude of the alarm signal.

Detection Field

Digital controlled pulse induction technology—powered by microprocessors—is utilized in both detection and control circuitry. The CS 5000 is designed for tailoring specific programs to fulfill various security requirements.

Rugged Design

Rugged, yet lightweight design for simple maintenance and quick, easy portability; MagnaDolly accessory also available.

| Passageway Interior | Overall Exterior | Shipping |
|---------------------|--------------------|---------------------|
| Width 30" (0.7 m) | Width 35" (0.9 m) | Width 35.5" (0.9 m) |
| Height 80" (2 m) | Height 87" (2.2 m) | Height 91.5" (2.3m) |
| Depth 23" (0.5 m) | Depth 23" (0.5 m) | Depth 6.25" (1.5m) |

Shipping Weight: 136 lbs. (61.8 kg)

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, 55 watts; no rewiring, switching or adjustments required. Power supply meets UL, CSA, TUV and VDE standards.

Weatherproofing / Foreign Object Protection Standards

Meets IP 31, IEC Standard. "Degrees of Protection provided by Enclosures," IEC 529.

Interference Suppression

100% sensor coil Faraday shielding; special Garrett built-in circuitry for noise suppression and ignoring x-ray monitor horizontal sync.

Traffic Counter

Built-in and resettable with current reading available on LCD panel.

Synchronization

Multiple channels permit several CS 5000s and other Garrett detectors to operate simultaneously in close proximity.

Alarms

Ready light indicates unit is operational; alarm lights and audible alarms are activated when the target amount of metal is detected; LED bar graph indicates amplitude of alarm signal.

Tamper-Proof

Dual-level access codes required to set or change all sensitivity settings and detection programs; one level for use by supervisors in selecting programs and sensitivity and the other for initial set-up and overall control; non-resettable sequence code logs all changes made whenever sensitivity codes are accessed. An audible alarm reports unauthorized attempts at access.

Infrared Sensor

Improves analysis of detection signal; increases throughput; helps eliminate "false alarms" and also provides accurate traffic counter.

Control Outputs

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

Masking

Programs designed to eliminate the problem of dissimilar targets canceling each other.

Construction

Attractive scratch and mar-resistant laminate with resilient end caps; control panel and cross members made of heavy duty aluminum.

Warranty

24 months, parts and labor

ACCESSORIES

A. Battery Backup Module—Conveniently allows up to eight (8) hours of backup use. (Model # 2225700)



B. Desktop Remote Control—For easy remote operation of the CS 5000 from up to 50 feet (standard length). 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 detector for easy portability. (Model # 1169000, not shown)



E. Stabilizer Base—(Model # 1603900)

F. 10 ft. Cord Jumper—Allows multiple walk-through detectors, in close proximity, to be linked to the same power source. (Model # 9431900)



REGULATORY INFORMATION

The CS 5000 is certified to meet Electrical Safety and Compatibility Requirements for CE, FCC, CSA, IEC, ICNIRP and IEEE.

The CS 5000 meets U.S. and International regulatory requirements for electromagnetic safety. Extensive research has found no information that would indicate Garrett products have adverse effects on pregnancy, medical devices (such as pacemakers) or magnetic recording media. However, directives by physicians and medical device manufacturers regarding metal detectors should be followed.

