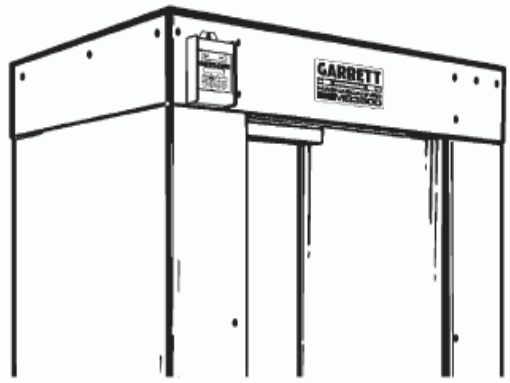
GARRETT MAGNASCANNER MS 3500™

Walk-Through Metal Detector

REGULATING AND OPERATING DISPLAYS

Overhead Cap Assembly: This one-piece assembly houses all the detection electronics, protecting them not only from weather, but also from tampering. It is weatherproof and has a hinged door that locks with a key. Located on the face of the Overhead, the LED indicator is protected by a clear Plexiglas window, allowing the READY LIGHT, the ALARM LIGHT and the BAR GRAPH LED to be easily read.

The green READY LIGHT appears when full power has been turned on and the unit is ready to detect. The ALARM LIGHT is red, and appears when the unit detects a target amount of metal on an individual passing through the panels. The LED bar graph indicates the detection intensity, based on the size of the metallic objects passing through the unit and upon the specific Program and Sensitivity settings being used.



Movable Display Keypad: This KEYPAD control unit can be located inside the locked and weatherproof Overhead Cap Assembly, or can be attached to the exterior of the unit. When the STANDBY touchpad is pressed, the unit goes into a low power mode, ready to be returned to full operation instantly when the OPERATE pad is touched. When this is activated, full detection power of the unit is turned on. This also initiates an automatic and comprehensive self-test and diagnostic program for instant fault detection. If faults are found, they will be immediately reported to the LCD DISPLAY. When the VOLUME touchpad is pressed, the volume level of the unit's audio alarm will be displayed on the LCD also. By using the + and – controls, operators can raise or lower the volume. These controls can also be used to increase or decrease various numerical settings and for certain On/Off functions. When the PROGRAM touchpad is pressed, the settings for Program and Sensitivity will appear on the LCD display. The ACCESS touchpad will be used only by supervisory management personnel with two levels of access codes. It permits changing the Program and Sensitivity and to control such functions as synchronization of multiple units, video filtering and tone adjustment. The unit further protects security of control settings by maintaining a non-resettable sequence code that indicates any attempt at seeking access to the settings.

TECHNICAL SPECIFICATIONS

Weatherproofing: There are several features of the MS 3500 that make it weatherproof:

- **The Overhead Cap Assembly:** Housing all electronics, its one-piece design seals off the unit, leaving no openings through which moisture can penetrate.
- **Damage-Proof Materials:** All the materials used to assemble the unit were selected because of their non-reaction to weather capabilities.

Construction: Rugged, heavy-duty 3/32" armor aluminum plates with resilient corner caps for protection against maximum physical abuse. Construction design provides unit with maximum installation stability as well as weathertight operation.

Electronics: Digital-controlled pulse induction metal detector with microprocessors utilized in both detection and control circuitry. Designed for tailoring specific programs to fulfill various security applications. Electronics are modular and designed for easy plug-in and change.

Self-Diagnostic: Whenever the unit is turned on, a self-test of all systems takes place automatically with any failures or problems reported on the LCD display.

Ankle Boost: Multiple coil design provides three intensity levels of ankle boost sensitivity to ensure uniformity of screening in all security applications.

Program Levels: Ultimate versatility, 20 standard programs. Designed for tailoring specific programs to fulfill various security applications.

Sensitivity: 1-200 in incremental steps per program for precise target selection.

LCD Display: Large backlit alpha-numeric display on the Control Panel reports (in words) all regulating, controlling and self-prompting functions of the unit. Backlighting makes it easier to read in all lighting conditions.

Self-Prompting: Because the unit is designed to be user friendly, all regulation and control functions are self-prompting with necessary commands shown on the LCD display.

Memory: All program selections and settings are maintained in electrically erasable non-volatile memory. The unit will maintain all settings even when disconnected from power. No battery is required for memory retention.

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

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

Proven Dependability For Over 35 Years

Tamperproof: All detection electronics can be secured behind a key-lock door in the Overhead Cap Assembly. 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. Audible alarm reports any unauthorized attempt at access. All connectors are keyed to ensure proper connections.

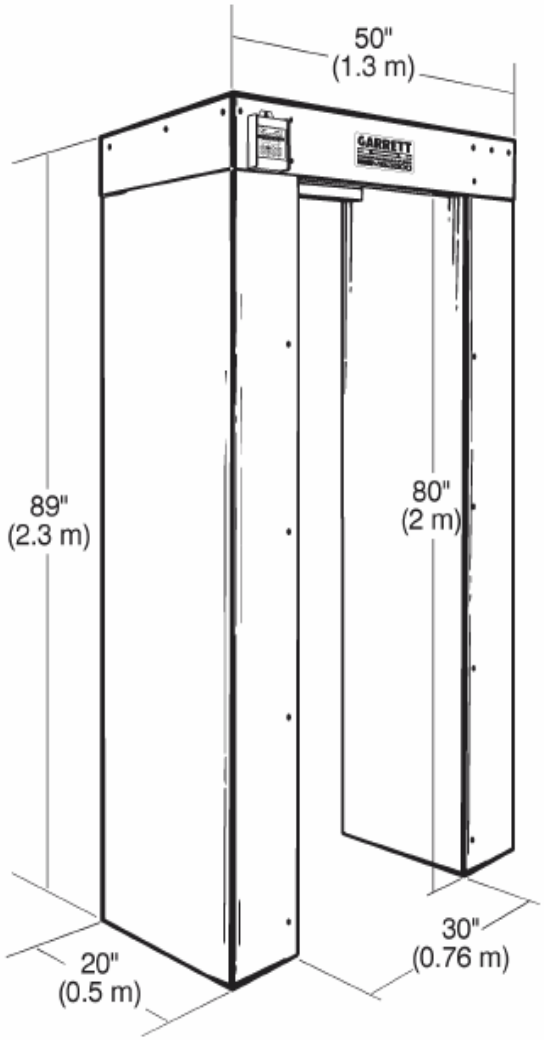
Regulatory Information: Meets or exceeds the requirements of:

Performance:

- Federal Aviation Administration of the United States requirements for certification of walk through metal detectors.

Public Safety:

- Institute of Electrical and Electronics Engineers: "A standard of Safety Levels with Respect to Human Exposure in Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz" IEEE C95.1 – 1991 section 4.12.
- Occupational and Safety Health Administration: Radiation Protection Guide, CFR 1910.97 section (2)i.
- National Institute of Law Enforcement and Criminal Justice: Standards for Walk-Through Metal Detectors for use in Weapons Detection, NILECJ-STD-0601.00 section 4.11.



- Canada Health and Welfare Radiaion Protection Bureau Safety Code, RPB-SC-18 section 3.2.2 which addresses the issue of electromagnetic effects on cardiac pacemakers.
- International Commission for Non Ionizing Radiation Protection (ICNIRP) "Reference levels for general public exposure".
- Extensive research has found no information that would indicate Garrett products have adverse effects on pregnancy or medical implants.

Magnetic Recording Media:

- United States Department of Commerce: "Care and Handling of Computer Magnetic Storage Media", NBS Special Publication 500-101. The peak magnetic field of less than one Gauss will not affect magnetic recording media, including magnetic tape, diskettes and cards.

Weatherproofing/Foreign Object Protection:

- International Electrotechnical Commission IEC 60529 " Degrees of Protection provided by Enclosure", IP Class 55

Electrical Safety:

- Power supply meets UL, CSA, TUV, and VDE standards.

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

Masking: Microprocessor programming designed to eliminate the problem of detection signals from two or more targets canceling each other.

Synchronization: Multiple frequencies permit several Magnascanners to operate simultaneously and in close proximity.

Electrical: Fully automatic input–100 to 240 VAC. 50-60 Hz, 5 watts.

Operating Temperatures: -4F (-20C) to 158F (70C).

Humidity: To 95% noncondensing.

Throughput Rate: Not limited by electronics.

Weight: 189 lbs. (93.5kg).

Model Number: 1167200

Warranty: 24 months, parts and labor.

DIMENSIONS

Passageway Interior:

Width	30" (0.76m)
Height	80" (2m)
Depth	20" (0.5m)

Overall Exterior:

Width	50" (1.3m)
Height	89" (2.3m)
Depth	20" (0.5m)

Shipping Weight:

242 lbs. (119.7kg)

Shipping:

Top Box	
Width	25" (64cm)
Height	55" (140cm)
Depth	7.5" (19cm)
Side Panels, 2 boxes	
Width	25" (64cm)
Height	92.5" (235cm)
Depth	11" (28cm)

Optional Accessories

Available for the Magnascanner MS 3500™

User friendly: The Magnascanner MS 3500 is designed for easy set-up and operation. Adjustments are minimal. The full-function display keypad is designed to be mounted on the interior of the unit for maximum security. All the controls and wiring are secured and tamper-proof, located behind a key-lock door. The supervisor has precise control of the program/sensitivity settings (and these are protected by computerized access codes). If preferred, this display keypad can also be located on the exterior of the unit. Here, it is also secured by tamper-proof access codes. There is an optional desktop control unit for remote operations. All electronics are modularized for serviceability. There is an optional battery pack so that the unit may be used in any location.

Weapons unfriendly: This no-nonsense walkthrough will detect the full range of restricted weapons, including the Glock 17, as well as any type of ferrous/nonferrous small-caliber weapons. It also offers three levels of ankle-boost sensitivity.

Makers of the famed Super Scanner™ and other quality products, Garrett is the world's largest manufacturer of metal detectors.

Desktop Remote Control #2225600

With standard 50 ft. length of cable (300 ft. maximum). Contains LED indicators, LCD readout and touchpads for easy operation.

Battery Module #2225700

Allows convenient 12v battery operation. Operates up to 20 hours on one charge.

Operational Test Piece (OTP) #1600600

Designed to simulate in size, shape and composition the smallest forbidden object for testing and verifying calibration settings of walk-through detectors. Made to the specifications of the FAA.

Floor Anchoring Kit #1604000

Provides excellent stability for the Garrett Magnascanner MS 3500 under all operating conditions. Easy to set up in just a few seconds.

For further info and price quote, please contact:

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