

Walk Through Metal Detector

Model NO. MCD-200



I. Equipment System Composition

1.1 Metal Security Gate
Including left door panel, main chassis, and right door panel.
1.2 Main Chassis Functions
Number of people passed/alarmed, standby/alarm signal lights
Functional parameter setting, sensitivity adjustment

II. Technical Parameters

Operating Voltage	AC220V 50/60Hz
Power	≤35W
Signal Frequency	6-9KHz(adjustable)
Operating Temperature	-10℃——55℃
Storage Temperature	-25℃——75℃
Overall Packaging Weight	Approximately 43.9KG
Overall Dimensions	2220mm (height) * 800mm (width) * 475mm (depth)
Channel Dimensions	2000mm (height) * 700mm (width) * 400mm (depth)
Zone Switching	Can switch between 6 zones and 18 zones via password input.
Digital Tube Display	The device can display the number of people passed and alarmed through the digital tube.
Light Bar Display	The device can display the corresponding zone alarm through the light bar.
Key Operation	The device is operated through 4 keys.

III. Functional Features

Accurate Positioning	Six overlapping mesh detection areas with bilateral transmission and reception, capable of accurately locating detected items and intuitively displaying the position of the target object.
Microprocessor Technology	The microcomputer controller generates scanning electromagnetic waves, and the scanning speed can be precisely controlled. Through the control panel, program settings can be made as needed to ensure that the sensitivity settings are flexible, reliable, and stable.

Composite Circuit Design	Scattering infrared device, rapid induction, computer automatic identification, which can reduce false alarms and missed alarms.
Digital Pulse	Equipped with a digital signal processing and filtering system, it has excellent anti-electromagnetic interference ability.
High Stability	It has strong resistance to collision and impact when no one is passing through, and is not affected by external factors during normal operation.
Adjustable Sensitivity	The sensitivity of each detection zone can be independently adjusted from 0 to 200 levels, and the overall sensitivity can also be adjusted, making it easy to use.
Password Protection Function	System parameters and sensitivity can only be changed by entering the correct password. The password can be set by the user, and a universal password can be entered to unlock in case of forgetting the password.
Modular Design	Easy to install and easy to troubleshoot.
Weak Magnetic Field Emission Technology	Complies with all currently adopted international safety standards. The weak magnetic field technology is used, which is harmless to pacemaker wearers, pregnant women, floppy disks, films, video tapes, etc.。
Equipment Linkage	One normally open and one normally closed switch (optional).

IV. Technical Standards

✓	Quality Safety: The enterprise has passed ISO9001:2015 quality management system certification
✓	Strictly implement the national standard "GB15210-2018 General Technical Conditions for Walk-through Metal Detectors".
✓	Environmental Safety: The enterprise has passed ISO-14001:2015 environmental management system certification.
✓	Radiation Safety: Complies with EMC electromagnetic radiation standards.
✓	The product meets the quality standards for public security and police electronic products of the Ministry of Public Security.

Product Parameter

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Working Voltage: AC220V 50/60Hz
Power: ≤35W
Signal Frequency: 6-9KHz (Adjustable)
Working Temperature: -10℃—55℃
Detection Zone: Switchable from 6 to 18 zones
Sensitivity: 200 (Adjustable)
Alarm Mode: Audible and Visual Alarm
Digital Tube: Pass count and Alarm count
Gross Weight: 41KG
Outer Dimension: 2220mm*800mm*475mm
Inner Dimension: 2000mm*700mm*400mm



