

Walk Through Metal Detector

MCD-100A Single Zone



System Composition

1.1 Metal Detector Gate	Includes a left panel, Control unit, and a right panel.
1.2 Main Unit Functions	Displays the number of people passing through/triggering an alarm, standby/alarm signal lights, function parameter settings, and sensitivity adjustment.

Technical Parameters

Working Voltage	AC220V, 50/60Hz
Power	≤ 35W
Signal Frequency	6–9KHz (adjustable)
Operating Temperature	–10°C to 55°C
Storage Temperature	–25°C to 75°C
Overall Packaging Weight	Approximately 30.9KG
Exterior Dimensions	2220mm (Height) * 854mm (Width) * 400mm (Depth)
Passage Dimensions	2000mm (Height) * 720mm (Width) * 320mm (Depth)
Operation Buttons	The device operates using 3 buttons.

Functional Characteristic

Accuracy	Overlapping mesh detection area with dual-side emission and reception ensures precise location of detected objects and intuitively displays the position of the target.
Microprocessor Technology	Controlled by a microcomputer, generates electromagnetic waves that can be precisely controlled. The control panel allows flexible, reliable, and stable sensitivity settings.
Composite Circuit Design	Infrared scattering device with quick sensing capability, automatically recognized by the computer, reducing false alarms and missed detections.

Digital Pulse Technology	Equipped with a digital signal processing filter system with excellent anti-electromagnetic interference capabilities.
Environmental and Impact Resistance	Designed to withstand collisions and impacts in a no-passage state, and is not affected by external factors during normal operation.
Adjustable Sensitivity	Each detection zone's sensitivity can be independently adjusted from levels 0-99, and the overall sensitivity can also be adjusted, making the device user-friendly.
Modular Design	Easy to install, with simple fault troubleshooting.
Low Magnetic Field Emission Technology	Complies with all current international safety standards, using low magnetic field technology that does not harm pacemaker wearers, pregnant women, floppy disks, films, tapes, etc.

Technical Standards

☒ Quality and Safety	The company has obtained ISO9001:2015 Quality Management System Certification and strictly follows the national standard "GB15210-2018 General Technical Conditions for Walk-Through Metal Detectors."
☒ Environmental Safety	The company has obtained ISO-14001:2015 Environmental Management System Certification.
☒ Radiation Safety	Complies with EMC Electromagnetic Radiation Standards.
☒ Product Compliance	Meets the safety and police electronic product quality standards of the Ministry of Public Security.

Applications

Exhibition center/Government office/Electronic factory/Prison/Finance/Hotel etc.

Dimensions



