



NUCTECH™ MD2000

Walk Through Metal Detector

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INTRODUCTION

Nuctech™ MD2000 is an advanced high-sensitivity walk through metal detector for detecting a wide range of threat objects composed of magnetic, non-magnetic metals and mixed alloys. With high-quality materials, special production process, advanced circuit design and intelligent signal processing algorithms, MD2000 possesses excellent anti-interference capability and advanced detection performance.

By adjusting the sensitivity of different detection zones according to the size and volume of the detected metal, unnecessary alarms such as coins, keys, belt buckles can be eliminated. With multiple build-in security application modes, MD2000 meets the requirements of both high sensitivity detection and high passenger throughputs, and has been widely used at checkpoints at airports, railway transportation stations, critical infrastructures, etc.

TECHNICAL FEATURES

- High accuracy for easy detection of small/medium/large objects
- Program modes for 8/20 vertical & 1/2/3 lateral zones
- Up to 199 sensitivity levels for global and each zone settings
- Automatic frequency selection to eliminate the environmental interferences
- Dynamic graphical indication for traffic control
- Light bars on both side panels accurately pinpoint metal contrabands locations
- Multiple application programs for diverse usage scenarios
- Programmable Random alarm
- Counters: passing, alarm and alarm rate in two directions
- Three levels of access authorities control
- Harmless to heart pacemaker, pregnant women, magnetic storage media, etc.
- Automatic self-diagnostics and re-calibrates at each start-up
- Compact and modular design for easy installation and replacement
- USB / Serial Port / Ethernet / Wi-Fi interface for local / remote monitoring and parameter settings (optional)
- Infrared remote controller for programming the detectors and parameter duplication between different units (optional)
- Battery for 0.5 ~ 8 hours back-up (optional)
- Weather resistant IP 65 protection (optional)

TECHNICAL SPECIFICATIONS

Sensitivity Grades	199
Zones	up to 60 zones (20 vertical, 3 lateral)
Audio Alarm Indicator	10 tones, 10 volume levels, 0.5 ~ 5s duration
Detection Speed	0.2 ~ 3m/s
Standard Programs	10
Effective Distance between Adjacent Detectors	min. 5cm
Power Supply	100VAC ~ 240VAC, 50Hz/60Hz ±3Hz
Power Consumption	60W
Operating Temperature	-20°C ~ 60°C
Humidity	5% ~ 95% (non-condensing)
Weight	80kg
Passageway Interior Size	2090mm(H) x 756mm(W) x 710mm(D)
Overall Exterior Size	2303mm(H) x 917mm(W) x 710mm(D)

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