



9 Zone Door Frame Metal Detector

TWD-2109

TWD-2109 is a Door Frame Metal Detector engineered for reliable and efficient security screening. Utilizing advanced electromagnetic induction technology, it accurately detects magnetic metals and instantly triggers audio and visual alarms.

Featuring an upgraded aluminum alloy structure, an integrated circuit board design, and a high-performance copper wire coil system, the TWD-2109 offers enhanced stability, durability, and long-term performance.

Features

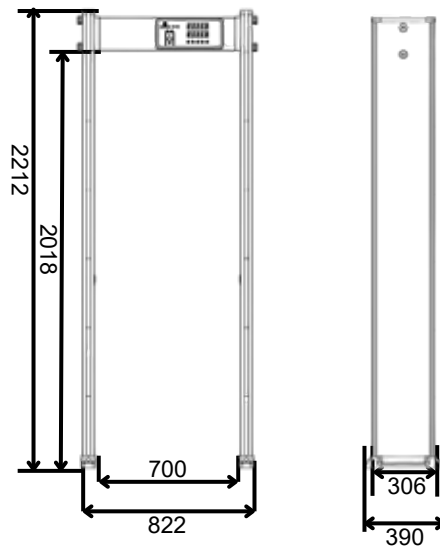
- Accurate Detection of all magnetic metals (black iron), such as guns, knives, phones, keys, and other concealed threats.
- Ultra-high sensitivity: Capable of detecting objects as small as a coin (22.25 mm in diameter) in the central detection zone.
- Integrated control panel. thickened aluminum alloy beams to protect Internal components.
- Advanced and more reliability door panel, high Anti-interference performance
- Intelligent Alarm System, high-quality infrared Sensor ensure instant alarm triggers with minimal false positives.

- Modular design enables easy assembly, maintenance, and repairs, minimizing downtime.
- Unique packaging design, only one carton box
- 100% Human-Safe Zero radiation risk for pregnant women or pacemaker users

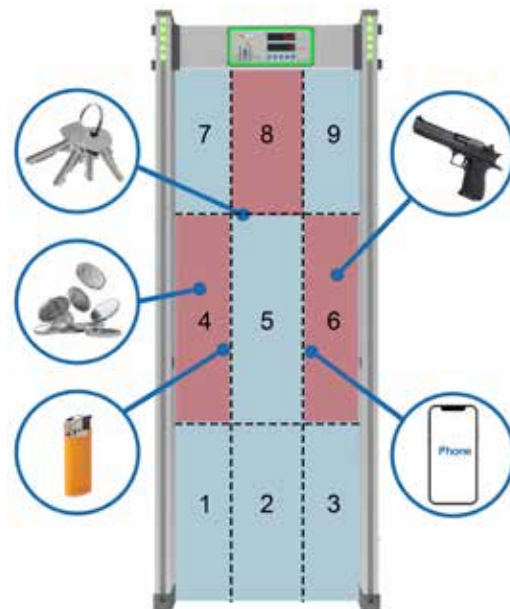
Technical Specification

Detection Zones	9 Zone
Sensitivity	2000 levels
Calibration	Automatic
Control Panel	Digital LED Display
Access Control	Button panel
Optics Control	Infrared sensor (1 pair)
Infrared beam mode	Bidirectional
Alarm Indicator	LED lamp light and sound
Traffic Indicator	Walk/Stop
Tamper-proof setting	Digital Password
Infrared passing speed	30 people/min
Electrical Parameters	
Power Mode	AC-DC Adapter
Adapter power	Input: AC 110V-220V,50/60HZ ; Output: DC 12V/5A
Working voltage	DC 12V/3A
Transmission Power	12W
Working Frequency	7KHz-9KHz
Frequency bands	5
Environment	
Operating Temperatures	-20°C~45°C
Working humidity	0-95%, no condensation
Protection class	IP53
Construction	
Door panel	Medium Density Fiberboard
Crossbeam frame	Aluminum alloy, one level

Dimension Drawing



Localization Zones



9 LOCALIZATION ZONES

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Disclaimer : All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.