

PE-Multi 518

Walk-through Metal Detector

The PE-Multi 518 walk-through metal detector is a high-performance security gate. This security device features high metal detection sensitivity, lightweight construction, strong anti-interference capabilities, and stable performance. The product is constructed from high-strength specialty materials, making it extremely lightweight and easy to transport and install. Its fully modular design and standardized assembly line production ensure consistent product reliability. Additionally, it features an intuitive interface and simple operation, requiring virtually no training to use.

This product utilizes an electromagnetic field to detect metal objects carried by individuals, triggering audible and visual alarms when the amount of metal exceeds a certain threshold. It consists of a main unit, a high-frequency signal generator, a signal receiver, and infrared sensors. With its sleek and elegant design, strong metal detection capabilities, multiple detection

Note: The actual product may differ from the image; the image is for reference only.



zones, and the option to integrate a unique

internet-based remote management system, it is currently

a leading metal detector on the market.

It is widely used in major hospitals, schools,

subways, airports, and other critical locations.

Technical Specifications:

Walk-Through Metal Detector Details & Introduction			
Dimensions:	2230 (H) × 835 (W) × 580 (D) mm	Gross Weight:	56.5 kg
Passage Dimensions:	1980 (H) × 720 (W) × 580 (D) mm	Net Weight:	50 kg
Packaging Dimensions:	2300 x 650 x 200 mm 830 x 260 x 410 mm	Power Consumption:	<12W
Operating Voltage:	AC 100V–240V, 50/60 Hz	Operating Humidity:	95% RH (non-condensing)
Detection Range:	Maximum sensitivity: ≥6g of metal	Ambient temperature:	-20°C to 65°C
Operating Frequency Range:	1–50 (adjustable)	Sensitivity Level:	0–255 (adjustable)
Alarm Volume:	Adjustable	Detection Zones:	6/12/18
Installation Environment:	Width 100 cm × Length 200 cm (minimum metal-free horizontal distance for sheet-like objects); for temperature measurement, indoor use is recommended;		
Main Unit Display:	High-brightness LED multifunction display, high dust resistance, extended standby time		
Operation Mode:	Features a 4-button integrated keypad design for simple, convenient, and user-friendly operation		
Alarm Count Statistics:	When hazardous items are detected, the device emits a beeping alarm and records the data		
Passage Count:	When a safety signal is triggered upon passage, the detection is completed and data is recorded		
Quick Location Setup:	After logging into the system, you can quickly select the current location		
Sensitivity Settings:	Adjust the sensitivity of each zone freely to meet different operational requirements		

Zone Alarm Indicator Lights:	Dual-row high-brightness smart zone LED alarm indicator lights on the front panel	
Alarm Volume:	Alarm volume adjustable from 0 to 199 levels	
Size recognition function:	Intelligently distinguishes the size of metal objects with varying metal content	
Battery Backup Mode:	A separate power source ensures safe detection during power outages	Optional
Data Query Function:	Enter a password to access specific programs for data retrieval	Optional
Multi-zone detection:	Simultaneous detection across multiple zones with simultaneous alarm functionality	Optional
Development Port:	Used for firmware upgrades; the port can also be used for secondary development	Optional
Internet Management:	Can be connected to a local area network (LAN) to enable centralized management and log querying	Optional
Alarms on all four sides:	360-degree all-around alarm display	Optional
Alarm Modes:	Customizable alarm tones	Optional
Compliance Standards:	Interference immunity complies with EN 50082-1	
	Radiation compliance with EN 50081-1	
	Electrical safety complies with EN 60950	
	GB 15210-2018 General Technical Specifications for Walk-Through Metal Detectors	
Product Certifications:	Certified to EU CE, FCC, RoHS, and FDA standards	
Corporate Certifications:	Certified to ISO 14001:2015 Environmental Management System	
	Certified to OHSAS 18001:2007 Occupational Health and Safety Management System	
	Certified to ISO 9001:2015 Quality Management System	

Ordering Model: PE-Multi 518