



Manual

TW100SE (Single Zone DFMD)

Product Description

Through type metal detection door is a kind of inspection equipment with fixed installation, referred as walkthrough metal detector, mainly used to check metal object hidden in human body. When humans with metals pass through the equipment, the door would alarm and show the alarm zones if the weight, quantity and shape of metal exceed the presetting figures of the door. It is good for security officers' checking for the prohibited items.

Application sites of Walkthrough Metal Detectors

1. Political Law Enforcement Agency: Public Security, procurat

-orate, court, adjudication division, Jail, Work Camp, detention house, etc where need checking prohibited metals.

2. Microprocessor technology: accurate scan speed of Electromagnetic waves produced by micro-computer controller, flexible, reliable and steady sensitivity settings.

3. Complex circuit design: scattering infrared devices, computer automatic identification, can effectively reduce false and omissions

4. Digital Pulse Technology: with digital signal processing filter systems, have excellent anti-electromagnetic interference capability.

5. Adjustable Sensitivity: 0-99 sensitivity level can be adjusted independently in each detecting area as well as the overall sensitivity can be adjusted.

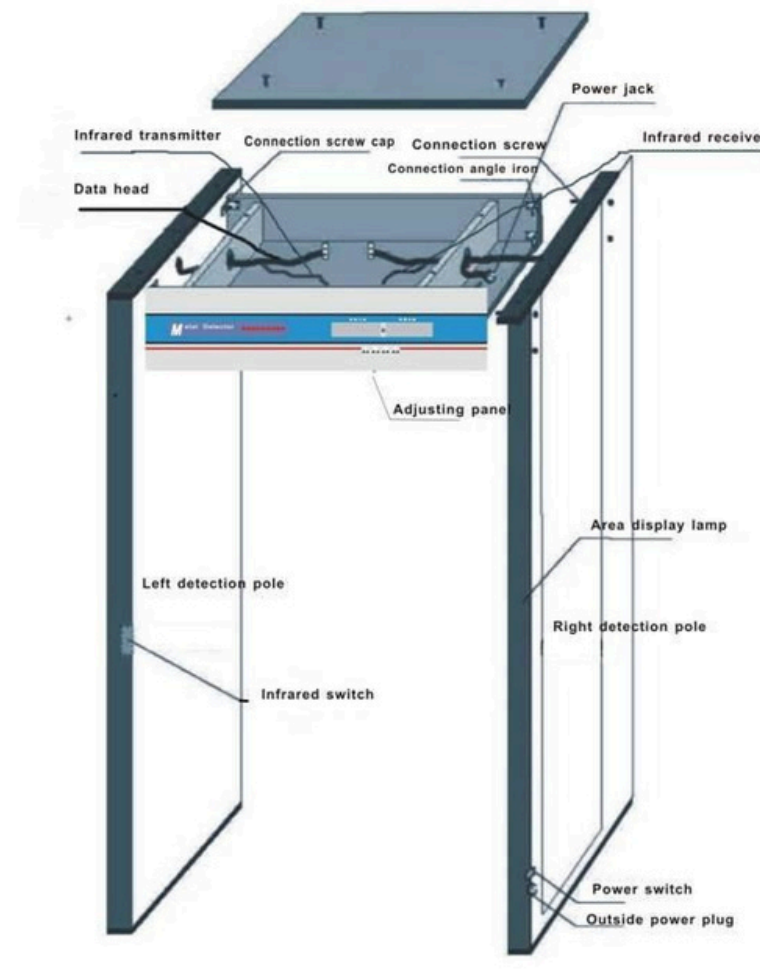
6. Password protection function: the system parameter and sensitivity can be changed only by entering the correct password set by the users. The universal password 8888 or 8243 is used to unlock when the users forget the password. The initial password set in factory is 1234.



7.Application of modular design: easy installation, ruling out mistakes easily.

8.Strong anti- collision capacity: strong ability of collision resistance and crashing when no humans passing through the door, which keeps it from external impact when in normal operation.

9.Using of weak magnetic field emission technology: complying with current international safety standards, no harm to pacemakers revolver persons, pregnant women, floppy disks, roll film, video tapes, etc.



1. Open the top cover of mainframe box.
2. Connect the mainframe box and detection pole on both sides with connection screw and screw cap.
3. Connect the data head of detection pole on both sides (left and right) with the data line interface in both sides of motherboard (left and right) respectively. Connect the power plug with power outlet on the right detection pole.
4. Connect the AC220V power plug on the detection pole.
5. Connect the infrared interface.
6. Cover the head of mainframe box.

Displaying Panel Description



1. Digital Display Tube: the left one shows the passing counting (0000-9999), the right one shows the alarm counting (0000-9999).
2. Signal Light: A row of signal strength indicator near the right of panel. The indicators would not light when no metals passing but light and alarm when metals passing through the door. In stand by time, the indicator would light when the interference from out-side is big enough, then the door does not work normally until the indicators are not lighted.





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then change the figure on Zone7.

5.If these little type metals should be checked, then carrying humans should take out them. If the door still alarm, security officer may check according to the indicator with a handheld metal detector.

Security Reference

- 1.Complying with the current national standard GB15210-94 of through type metal detector.
- 2.Implementing the EN60950 safety standard of Electrical appliance, complying with GB2423.
- 3.About radiation and anti-interference, implementing En500 80-1 and Gb6833.
- 4.About Electrical insulation and dielectric strength, implementing Gb10408.

Notes & Caution

- 1.This product is only suitable for indoor use. If using outdoor, please equip with rain and sun protection device to make sure the probe is not used under the high temperature and humid environment.
- 2.No big metal object, such as power equipment with strong magnetic field within 1.5 meter near the probe, which would have impact on the door's normal operations.
- 3.The installation sites should be far away from the places with many electrical device and equipment to avoid the interference with the same frequency.
- 4.When passing through the door, humans should not collide



the door body and walking speed should not be too fast, one person/ second would be ok.

5.No water or wet wipes to wash the door, clean the door with a cotton cloth in alcohol.

6.High voltage in the mainframe box, non professionals should not open the equipment with permitted.

Technical Parameters

Operation Voltage: AC220V 50/60Hz Power:≤35 W
Signal Frequency: 6-9 KHz(adjustable) Operation
Temperature: -10 °C to 50°C Storage Temperature:
-25 °C to 75 °C

Package Weight: about 75kg Shipping Weight:
about 95kg (with wooden case) Overall dimension:
2200mm *750mm × 500 mm Channel Size:2000
mm *700 mm *500 mm

