

# TECHNICAL

Product Datasheet

## METAL GATE DETECTOR

Advanced Multi (33) Zone  
Walk-through



The GD-WMD-33 is a 33 zone bi-directional highly advanced and efficient walk through metal gate detector with a sleek and modern design, a durable body, easily transportable and simple to use.



### GD-WMD-33-XX

The walk through metal gate detector has an intelligent modular design for quick installation and features an advanced overhead 7 inch touch screen display to fully control and monitor the walk through metal gate detector while showing a visual representation of the alarm threshold, the number of accepted and rejected passers powered by the bi-directional counter, among other data that can be shown.

The GD-WMD-33 features 60 built-in security levels for ease of detection and configuration, 99 adjustable working frequency as well as incredibly high detection sensitivity (1,000 Distinct Sensitivity Levels) for magnetic metals, non-magnetic metals, and alloys with a high level of discrimination between items. The walk through metal gate detector generates a consistent detection field to ensure accurate detection in all areas within the detection arc. The walk through metal gate detector has a high immunity from electromagnetic interference sources and advanced gate EMI concealment technology to allow multiple metal gate detectors to be placed in close proximity without any performance issues.

The GD-WMD-33 is password protected to only be operated by authorized personnel, and includes audible and visual alarm signaling upon threat detection with 16 different tones and on 10 volume level settings.

The GD-WMD-33 is compliant with most international standards, including metal detector standards, electromagnetic exposure standards and international airport security standards while meeting the requirements of TSA, ECAC, and STAC.

# DETECTOR SPECIFICATIONS

### Detector

Number of zones	33 Zones
Direction	Bi-directional with counter
Display	7 Inch Touch Display Screen
Setting Protection	Password Protected for Authorized Access Only
Gate Effect	No effect to humans, medical devices, children and/or pregnant women
Minimum Gate Proximity	19.69 Inch (500 mm)

### Detection & Performance

Sensitivity Levels	200 Levels (adjustable)
Distinct Sensitivity Levels	1,000 Levels (adjustable)
Working Frequencies	50 Bands (adjustable)
Programs	60 built-in Security Detections Standards
Pass through Speed	15.75 to 47.25 Inches/sec (0.4 to 1.2 m/sec)
Multi-object Detection	Up to 3 Objects Simultaneously

### Audible & Visual Alarms

Visual Alarm	Illuminating LEDs
LED Locations	Overhead Display
Alarm Tones	10 Tones
Volume Control	10 Volume levels Including Silent Mode

### Electrical

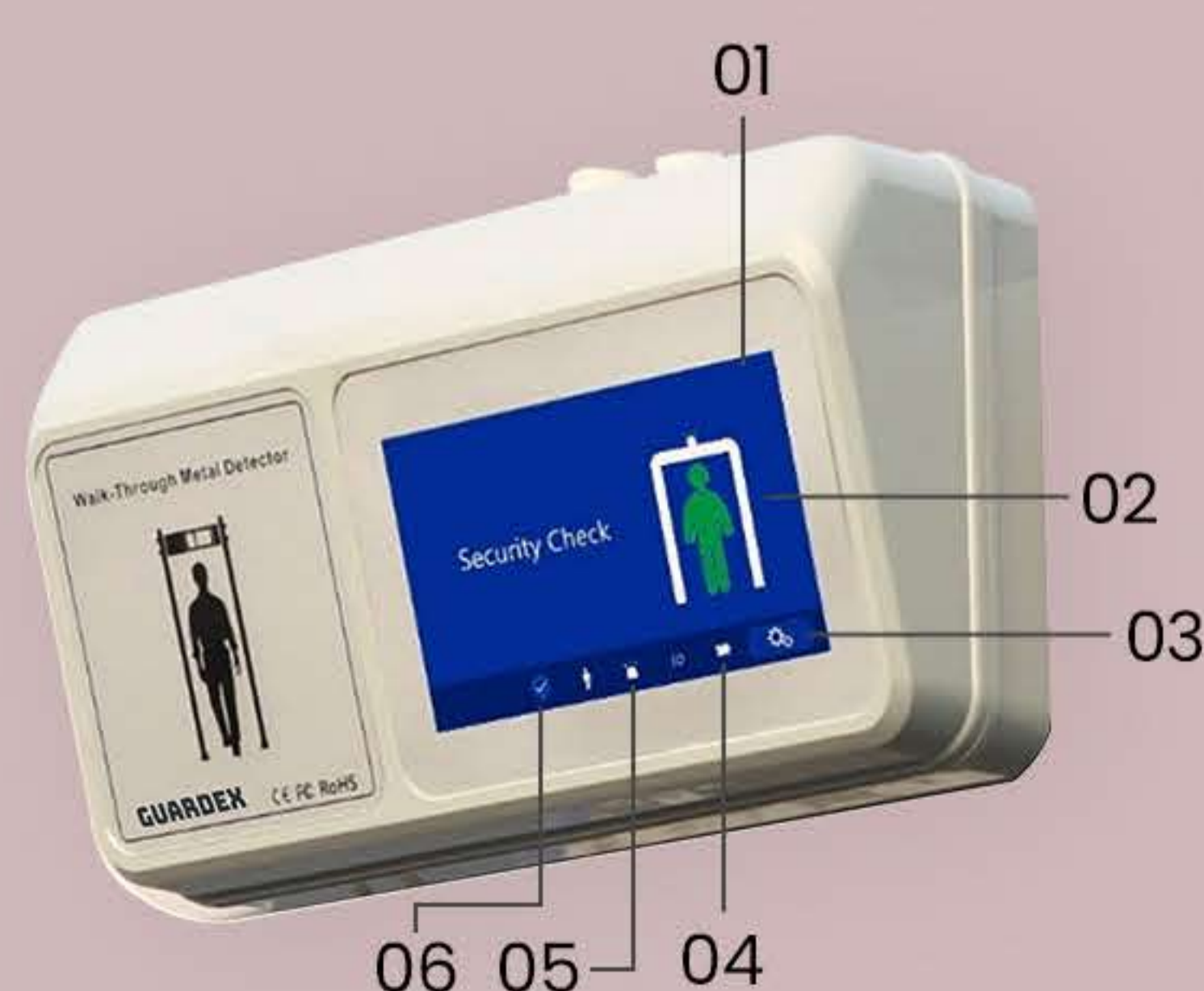
Operating Voltage	100 to 240 VAC, 50 / 60 Hz
Power Consumption	20 Watts

### Mechanical

Internal Dimensions	79.13 (H) x 29.92 (W) Inches (2,010 x 760 mm)
External Dimensions	87.00 (H) x 34.64 (W) x 26.37 (D) Inches (2,210 x 880 x 670 mm)
Net Weight	132.27 Lbs (60 Kgs)
Operating Temperature	14 to 104 °F (-10 to +55 °C)
Operating Humidity	10 % to 90 % (non-condensing)
Ingress Protection	NEMA 3 (IP42) for Indoor Rated Gates NEMA 4 (IP66) for Outdoor Rated Gates

### Regulatory Compliance

Meets International TSA, ECAC and STAC Security Standards  
Meets NIJ 0601.02 Standards for Metal Detection  
Meets EN 60950 and 50081-1 Regulations for Electrical Safety  
Meets International EMC and CE Regulations and Standards



## DETECTOR DIAGRAM

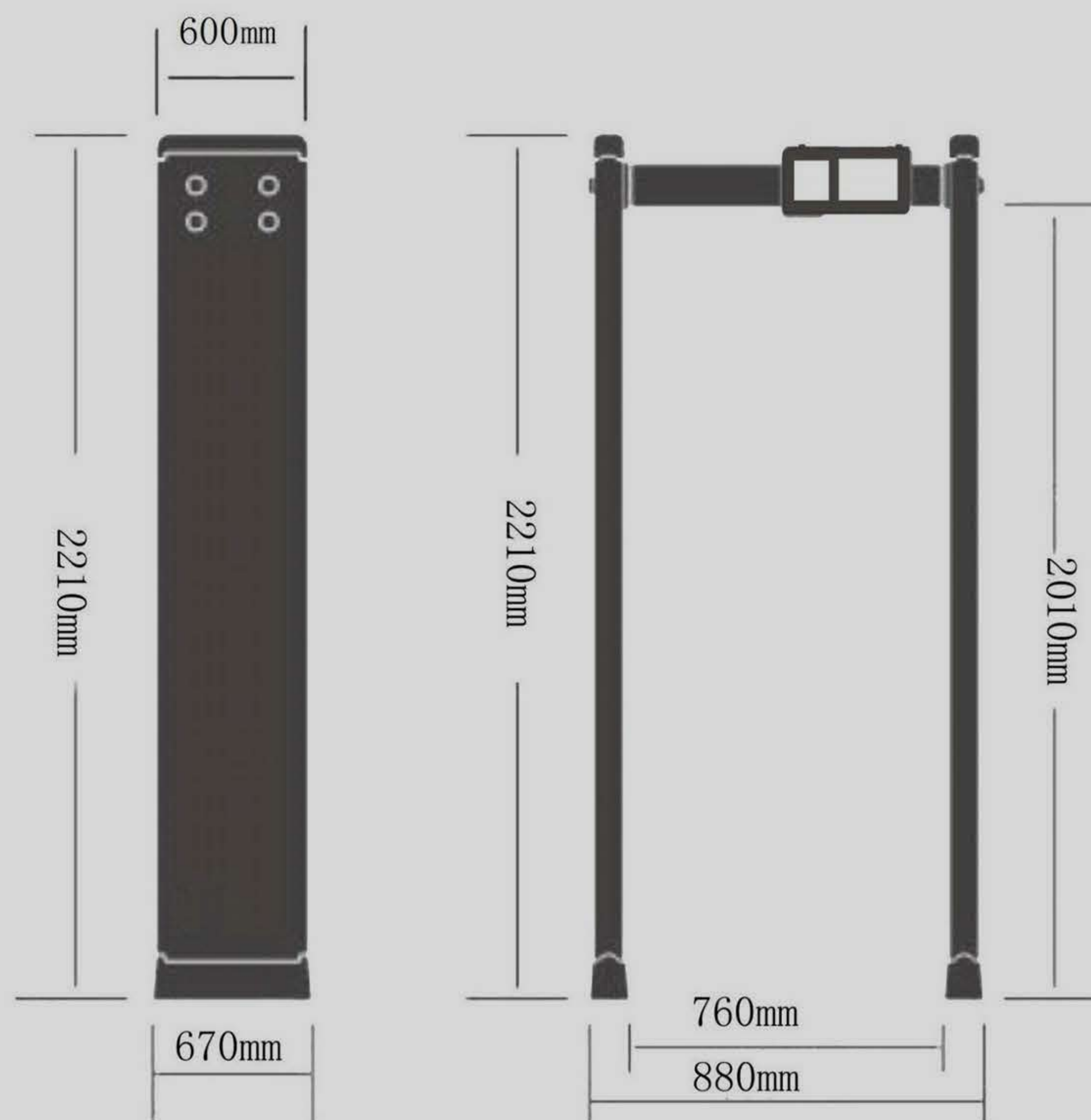
- |                     |                   |
|---------------------|-------------------|
| 1- Touch Screen     | 5- Alarm Status   |
| 2- Passer Alarm     | 6- Machine Status |
| 3- Machine Settings |                   |
| 4- Battery Status   |                   |

Note: The above pictures and parameters for reference only, the actual product may differ slightly.

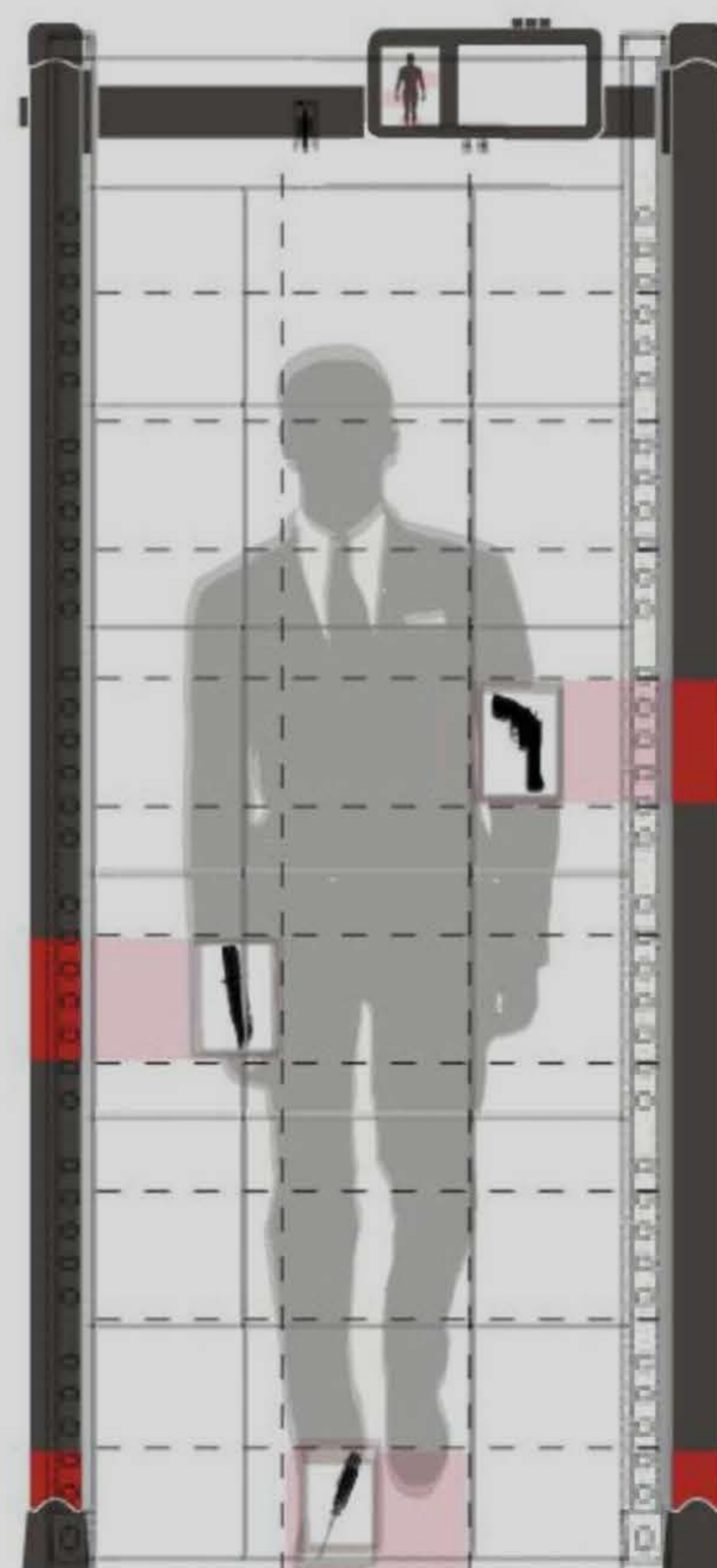
# TECHNICAL

## Product Datasheet

### Metal Gate Detector



### MACHINE DIMENSIONS



### DETECTION FOOTPRINT

Note: The above pictures and parameters for reference only, the actual product may differ slightly.

# OPTIONAL & ADDITIVE ACCESSORIES



#### Uninterruptable Power Supply

Uninterruptable power supply unit providing battery backup in case of power failure for walk through autonomous operation for 12 or 24 hours.

GD-WMD-12H-BB  
GD-WMD-24H-BB

12 Hour Back Up Battery UPS Module  
24 Hour Back Up Battery UPS Module

#### Dual Sided Ports

Ports installed on both sides of the metal gate's walkthrough tunnel panels, the ports make the machine more user friendly to be installed with freedom. By default, the ports are location on only a single side of the tunnel's panels.

GD-WMD-DSP

Both Tunnel Panels  
Customized to contain  
Ports



#### Removable Wheels

Removable wheels can be easily installed below the unit to make it portable and easily mobile, for temporary installations or installations with multiple rotational entrances.

GD-WMD-MZMW

Removable Wheels for Temporary Mobility

#### Weather Resistance

Weather resistant protection by housing the control unit, power adaptor, and walk through gate structure in a NEMA 4 (IP66) outdoor-rated enclosure

GD-WMD-33-42

Multi (33) Zone Walk Through Metal Gate Detector,  
IP42 (NEMA 3) Indoor Rated Enclosure

GD-WMD-33-65

Multi (33) Zone Walk Through Metal Gate Detector,  
IP66 (NEMA 4) Indoor Rated Enclosure



Security Check



#### Software

Management Software for multiple walk-through gates. Provides statistical data analysis and record keeping. Can be connected to workstation via RS485, USB "Via converter", or Ethernet communication modules.

GD-WMD-33ZSW

Walk through metal gate  
Management Software



### Wired and Wireless Network Communication Modules

Wired and Wireless Network Communication Modules, installed inside of walk through metal gate detector to allow for communication with the management software, communication modules support RS485 and RJ45 ports.

GD-WMD-TT

Transit Table for Metallic Items

### Sloped Transit

Sloped transit metallic personal belongings table, to place in it metallic objects carried by passers while passing through walk through metal gate detector to reduce false alarms and assist in the smooth flow of traffic.

GD-WMD-TT

Transit Table for Metallic Items



## ORDERING INFORMATION

GD-WMD-33-42  
GD-WMD-33-65  
GD-WMD-12H-BB  
GD-WMD-24H-BB  
GD-WMD-DSP  
GD-WMD-33ZSW  
GD-WMD-SZMW  
GD-WMD-WDNM  
GD-WMD-WSNM  
GD-WMD-TT

Multi (33) Zone Walk Through Metal Gate Detector, Indoor Rated  
Multi (33) Zone Walk Through Metal Gate Detector, Outdoor Rated  
12 Hours Backup Battery UPS Module  
24 Hours Backup Battery UPS Module  
Both Tunnel Panels Customized to contain Ports  
Walk Through Metal Gate Management Software  
Removable Wheels for Temporary Mobility  
Wired Network Communication Module  
Wireless Network Communication Module  
Transit Table for Items Causing Alarm

### Guardex Safety

Guardex walk through metal gate detectors meet international regulatory requirements for electromagnetic safety. Guardex walk through metal gate detectors have undergone safety research to confirm that have no adverse effect and pose no harm to the human body, children, pregnancy or medical devices such as heart pacemakers. However, advice by doctors and medical professionals should be followed regardless of the above when it comes to walk through metal gate detectors.

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5063 Commercial Circle,  
Concord, CA 94520,  
United States  
Email [info@guardex.org](mailto:info@guardex.org)  
Website [www.guardex.org](http://www.guardex.org)

Guardex warrants all its products against any and all manufacturing defects from the date of product delivery from the factory and/or distribution center. Guardex Lmtd series has a warranty of 3 years

GD-WMD-33-XX – Datasheet V.002



# GUARDEX

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