



Multi-Zone Walk-Through Metal Detectors Specification Sheet

Archway gates that screen everyone entering a building and tell the operator where on the body the metal is.

Models in this sheet: ABX-5010-FS1 Foot and Shoe X-Ray Screening System, ABX-5010-LS1 Limb X-Ray Screening System, ABX-5010-AB Mobile Torso X-Ray Screening System, ABX-5010-SC3 Full-Body X-Ray Screening System, ABX-5010-SC3A-DV Dual-View Full-Body X-Ray Screening System, ABX-5010-SC3A Full-Body X-Ray Screening System, ABX-5010-DC2 Dual-Channel Full-Body and Baggage X-Ray Screening System, VW-2025T AI Multi-Sensor Security Gate, VW-2286S Intelligent Multi-Zone Security Gate, VMP7000 Waterproof Walk Through Metal Detector, VIBOO-24D Walk Through Metal Detector Door Frame, KW-33 Zone Walk Through Security Metal Detector, Viboo Classical Walk Through Metal Detector, 33 Zone High Throughput Walk Through Metal Detector, Airport Walk Through and Handheld Metal Detector Set, Viking VM-24 Zone Archway Metal Detection System, 12 Zone All-Weather Walk Through Metal Detector, Airport Gateway Security Screening Metal Detector, Viking VM-45 Zone Archway Metal Detector System, Portable Walk Through Metal Detector Gate, Multi-Zone Walk Through Metal Detector up to 90 Zones, VK-33 Zone Walk Through Metal Detector, M-Scope Portable Walk Through Metal Detector, VW-8000P IP67 Waterproof Outdoor Walk Through Metal Detector, VW-6E 6 Zone Walk Through Metal Detector, Portable Walk-By Open Head Security Metal Detector

Figures in this document are those published by the factory for each model. Where a value is shown as TBC it is not published, and we confirm it with the factory before order rather than estimate it. Specifications are subject to change without notice.

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1. ABX-5010-FS1 Foot and Shoe X-Ray Screening System

The ABX-5010-FS1 inspects the ankle, foot and shoe sole without asking anyone to take their shoes off. A single scan finishes in under 5 seconds over a 340 x 300 mm detection area, so a checkpoint keeps moving instead of forming a queue at the shoe bench. The cabinet occupies 780 x 650 mm of floor and weighs 76 kg, which makes it practical to place at an existing screening lane rather than rebuild one.

Key benefits

- Removes the shoe-removal step that slows every manual footwear check
- Under 5 seconds per scan keeps a single lane moving at steady throughput
- 0.5 uSv or less per inspection supports repeated screening of the same shift
- Small 780 x 650 mm footprint fits beside an existing lane without rebuilding it
- 500 GB of storage holds at least 100,000 images for later review

Specification

Dimensions	780 x 650 x 1275 mm
Weight	76 kg
Effective Detection Range	340 x 300 mm
Single Inspection Dose	0.5 uSv or less
Single Scan Time	under 5 seconds
Display	15-inch square screen plus 12.3-inch rectangular screen
Spatial Resolution	1 mm
Wire Resolution	AWG38
Power Consumption	200 W
Image Storage	500 GB, at least 100,000 images
Warranty	1 year

2. ABX-5010-LS1 Limb X-Ray Screening System

The ABX-5010-LS1 handles the checkpoint cases that a walk-through gate cannot resolve: bandages, casts and limb areas that set off an alarm every time and then need a manual pat-down. A detection arm rotating 180 degrees or more reaches the limb where it is, over a 250 mm inspection range and 180 mm maximum width, at under 0.25 uSv and under 4 seconds per scan.

Key benefits

- Resolves cast and bandage alarms without a manual pat-down
- Detection arm rotates 180 degrees or more to reach the limb in place
- Under 0.25 uSv per scan and under 4 seconds keeps the lane moving
- Under 65 dB sound pressure level suits quiet public-facing entrances
- Minimum 100,000 image storage supports later review of a disputed check

Specification

Dimensions	1100 x 740 x 1330 mm
Weight	190 kg
Effective Inspection Range	250 mm
Maximum Inspection Width	180 mm
Single Inspection Dose	under 0.25 uSv
Single Scan Time	under 4 seconds

Detection Arm Rotation	180 degrees or more
Wire Detectability	AWG38
Sound Pressure Level	under 65 dB
Power Consumption	300 W
Image Storage	minimum 100,000 images
Warranty	1 year

3. ABX-5010-AB Mobile Torso X-Ray Screening System

The ABX-5010-AB is a torso screening system that does not need a fixed installation. It plugs in, scans the band from 0.75 to 1.25 m above the ground, and can be moved to wherever the checkpoint is that week. A 120 kV generator gives AWG40 wire detectability and 1.0 mm spatial resolution at under 3 uSv per scan, with a 150 kg cabinet that a site can actually relocate.

Key benefits

- No fixed installation, so a checkpoint can be set up and moved again
- Covers the 0.75 to 1.25 m torso band where concealment is most common
- AWG40 wire detectability and 1.0 mm spatial resolution at 120 kV
- Under 3 uSv per scan and under 54 dB operating noise
- Storage for 1,000,000 pictures with 50-image playback

Specification

Dimensions	1120 x 1000 x 1570 mm
Weight	150 kg
Effective Scanning Area	0.75 to 1.25 m from ground
Generator Anode Voltage	120 kV
Single Inspection Dose	under 3 uSv
Wire Detectability	AWG40
Spatial Resolution	1.0 mm
Single Scan Time	10 to 15 seconds
Sound Pressure Level	under 54 dB
Power Consumption	700 W
Image Storage	1,000,000 pictures
Warranty	1 year

4. ABX-5010-SC3 Full-Body X-Ray Screening System

The ABX-5010-SC3 is a full-body transmission screening system built for lanes that have to clear at least 1,000 persons per hour. Each scan finishes in under 4 seconds at less than 0.20 uSv, with AWG38 wire detectability and 1.0 mm spatial resolution on a 24-inch TFT display. The three-joint construction is the part that matters on site: it goes together and aligns without a long structural installation.

Key benefits

- At least 1,000 persons per hour sustained through one lane
- Under 0.20 uSv per full-body scan with scan time below 4 seconds
- Three-joint construction shortens installation and alignment on site
- Continuous cyclic inspection mode avoids stop-start operation

- X-ray leakage below 0.19 uSv/h at 50 cm around the cabinet

Specification

Dimensions	2610 x 2300 x 2600 mm
Weight	800 kg
Scanning Height	2 m
Single Inspection Dose	under 0.2 uSv
X-Ray Leakage	under 0.19 uSv/h at 50 cm
Wire Detectability	AWG38
Spatial Resolution	1.0 mm
Throughput	1,000 persons per hour or more
Conveyor Speed	0.17 m/s
Power	800 W, 180-240 V AC, 50 Hz plus or minus 3 Hz
Image Storage	1,000,000 pictures
Warranty	1 year

5. ABX-5010-SC3A-DV Dual-View Full-Body X-Ray Screening System

The ABX-5010-SC3A-DV adds a second imaging view to the full-body lane, which is what closes the coverage gaps a single view leaves from head to toe. Throughput stays above 1,200 persons per hour on continuous autowalk movement, at under 0.20 uSv for a full-body scan and under 4 seconds each. Dual-view wire detectability is AWG40 against AWG38 in single view.

Key benefits

- Dual-view imaging widens body coverage compared with a single view
- Above 1,200 persons per hour with continuous autowalk movement
- AWG40 dual-view wire detectability against AWG38 in single view
- 2000 x 1600 mm full-body scanning area plus a 600 x 1600 mm torso area
- Three-joint construction for installation and alignment on site

Specification

Dimensions	3100 x 2400 x 2600 mm
Weight	1000 kg
Full-Body Scanning Area	2000 x 1600 mm
Torso Scanning Area	600 x 1600 mm
Full-Body Dose	under 0.20 uSv
Torso Dose	under 2 uSv
Wire Detectability	AWG38 single view, AWG40 dual view
Spatial Resolution	1.0 mm
Throughput	1,200 persons per hour or more
Conveyor Speed	0.17 m/s
Image Storage	1,000,000 pictures
Warranty	1 year

6. ABX-5010-SC3A Full-Body X-Ray Screening System

The ABX-5010-SC3A is the throughput version of the full-body line: under 3 seconds per scan and at least 1,200 persons per hour, with AWG40 wire detectability and 1.0 mm spatial resolution. Dose stays under 0.20 uSv per scan and leakage under 0.17 uSv/h at 50 cm. Like the rest of the ABX-5010 family it uses three-joint construction so a site is not closed for a long structural install.

Key benefits

- Under 3 seconds per scan, the fastest cycle in the ABX-5010 line
- At least 1,200 persons per hour through a single lane
- AWG40 wire detectability with 1.0 mm spatial resolution
- Leakage under 0.17 uSv/h at 50 cm around the cabinet
- Three-joint construction for faster installation and alignment

Specification

Dimensions	2610 x 2300 x 2600 mm
Weight	1000 kg
Scanning Height	2.1 m
Single Inspection Dose	under 0.2 uSv
X-Ray Leakage	under 0.17 uSv/h at 50 cm
Wire Detectability	AWG40
Spatial Resolution	1.0 mm
Single Scan Time	under 4 seconds
Throughput	1,200 persons per hour or more
Conveyor Speed	0.17 m/s
Power	800 W, 180-240 V AC, 50 Hz plus or minus 3 Hz
Warranty	1 year

7. ABX-5010-DC2 Dual-Channel Full-Body and Baggage X-Ray Screening System

The ABX-5010-DC2 puts person and baggage screening into one continuous workflow instead of two queues that have to be rejoined. The full-body channel runs at under 0.20 uSv and AWG38, the baggage channel through a 650 x 500 mm tunnel at AWG40 and 1.0 mm resolution, together clearing at least 1,000 persons per hour on an open-type circular conveyor.

Key benefits

- One workflow for person and baggage instead of two separate queues
- 650 x 500 mm baggage tunnel alongside a 2 m full-body scan height
- AWG38 full-body and AWG40 baggage wire detectability in one system
- Open-type continuous cyclic inspection on a circular conveyor
- Image retrieval by operator ID or capture time for audit

Specification

Dimensions	2600 x 2100 x 2600 mm
Weight	1200 kg
Baggage Tunnel	650 x 500 mm
Scanning Height	2 m
Full-Body Dose	under 0.20 uSv
Baggage Dose	under 3 uSv

Wire Detectability	AWG38 full body, AWG40 baggage
Spatial Resolution	1.3 mm full body, 1.0 mm baggage
Throughput	1,000 persons per hour or more
Conveyor Speed	0.17 m/s
Display	17-inch and 24-inch LCD, 1920 x 1200
Power	1200 W, 180-240 V AC, 50 Hz plus or minus 3 Hz
Warranty	1 year

8. VW-2025T AI Multi-Sensor Security Gate

The VW-2025T is a walk-through gate that also answers who walked through it. Eighteen detection zones with independent sensitivity sit alongside multi-point facial recognition for up to 5 people at once, body temperature monitoring, document verification and video linkage, all on one aluminium alloy structure with a 5.5-inch operating screen and 12 infrared sensors. Anti-tailgating keeps passage to one person at a time.

Key benefits

- 18 detection zones with independent sensitivity adjustment per zone
- Facial recognition on up to 5 people simultaneously
- Anti-tailgating enforces controlled single-person passage
- Alarm-zone visualisation on an on-screen human-body diagram
- Modular components so a failed part is replaced rather than the gate

Specification

Detection Zones	18, with independent sensitivity adjustment
Calibration	10-level
Operating Screen	5.5-inch
Infrared Sensors	12
Facial Recognition	multi-point, up to 5 people simultaneously
Structure	Aluminium alloy
Additional Sensing	Body temperature monitoring with threshold alerts
Identity	Document verification, video linkage
Access Control	Anti-tailgating detection
Management	Remote networking and centralised management

9. VW-2286S Intelligent Multi-Zone Security Gate

The VW-2286S is built around traceability: every passage produces an entry-exit record tied to a verified identity. It runs Android 7.1 on an 8-core CPU with 4 GB RAM and 32 GB storage, drives a 21.5-inch 1080P display, and combines 1:1 and 1:N facial recognition with document verification and rapid human-document comparison. Eighteen metal zones each take a separate 0 to 1000 sensitivity value.

Key benefits

- Personnel traceability with complete entry-exit records
- 18 metal detection zones, each with 0 to 1000 sensitivity adjustment
- 1:1 and 1:N facial verification plus rapid human-document comparison
- 21.5-inch 1080P display showing target position on alarm
- Wi-Fi, 10/100M Ethernet and Bluetooth with optional 4G

Specification

Platform	Android 7.1, 8-core CPU
Memory	4 GB RAM, 32 GB storage
Display	21.5-inch 1080P
Detection Zones	18, separate 0 to 1000 sensitivity per zone
Facial Recognition	1:1 and 1:N verification
Identity	Document verification and rapid human-document comparison
Door Design	3D switching / infrared sliding panel
Sensing	Proximity, temperature and humidity
Connectivity	Wi-Fi, 10/100M Ethernet, Bluetooth, optional 4G
Records	Personnel traceability with entry-exit records

10. VMP7000 Waterproof Walk Through Metal Detector

The VMP7000 is the gate to put outdoors. Its waterproof construction keeps it working in rain, humidity and coastal air, where an ordinary door frame fails within a season. It runs 18 zones through a 2000 x 700 mm passage at 30 W, weighs 32 kg net, and is built for rapid deployment at temporary events as well as permanent positions.

Key benefits

- Waterproof construction for outdoor, humid and coastal positions
- 18 detection zones through a 2000 x 700 mm passage
- Only 30 W working power and 32 kg net weight
- Rapid deployment for temporary events and high-traffic areas
- Operates from -20°C to 55°C on 110 to 220 V AC

Specification

Detection Zones	18
Working Power	30 W
Voltage	AC 110 V to 220 V
Working Temperature	-20°C to 55°C
External Dimension	2230 x 940 x 270 mm
Passage Dimension	2000 x 700 x 270 mm
Door Frame Packing Dimension	2280 x 420 x 410 mm
Net Weight	32 kg
Door Frame Gross Weight	38 kg
Construction	Waterproof

11. VIBOO-24D Walk Through Metal Detector Door Frame

The VIBOO-24D runs 18 detection zones from a dedicated DSP, covering the left, centre and right of the body from head to toe. Pre-set programmes cover the common security applications so a site is not tuning from scratch, and a self-test runs automatically when the door is activated, diagnosing each infrared and LED port before the lane opens.

Key benefits

- 18 detection zones covering left, centre and right from head to toe
- DSP-based signal processing rather than analogue detection
- Pre-set programmes covering a broad range of security applications

- Automatic self-test diagnosing each port when the door is activated
- Automatic counting of people passing, shown on a digital tube display

Specification

Detection Zones	18
Signal Processing	Dedicated digital signal processor
Coverage	Left, centre and right of the body, head to toe
Self Test	Automatic on activation, diagnosing each port
Display	Digital tube with pass counting and alarms
Foot Covers	Waterproof, fixing the door in position
Passage Dimensions	TBC - confirm at quotation
Power	TBC - confirm for your site voltage

12. KW-33 Zone Walk Through Security Metal Detector

The KW-33 runs 33 detection zones with a sensitivity scale reaching 1000 levels, which is the range you need to screen out coins and keys while still catching what matters. It uses a full aluminium frame and an integrated LCD touch screen host, and its uniform zone coverage means detection does not fall off toward the edges of the passage.

Key benefits

- 33 detection zones with uniform coverage on all sides
- Maximum sensitivity up to 1000 levels
- Full aluminium frame with integrated LCD touch screen host
- Simple software interface for easier installation and maintenance
- Integrates into an existing identification system

Specification

Detection Zones	33
Maximum Sensitivity	up to 1000 levels
Frame	Full aluminium
Host	Integrated LCD touch screen
Standard Equipment	Rear view monitor
Passage Dimensions	TBC - confirm at quotation
Power	TBC - confirm for your site voltage

13. Viboo Classical Walk Through Metal Detector

The classical Viboo gate is the configurable one: zone count is chosen to requirement with a 6-zone default, each zone adjusts across 100 degrees of sensitivity, and alarm time is set anywhere from 1 to 25 seconds. Temperature and humidity compensation tracks conditions automatically, which is what keeps it stable across seasons and climates.

Key benefits

- Zone count specified to requirement, default 6 zones
- 100-degree sensitivity adjustment on every zone independently
- Automatic temperature and humidity compensation for different climates
- Overlapping detection eliminates weak zones and shadow areas
- LED alarm lights show the height on the body where the item is hidden

Specification

Display	LCD
Detection Zones	specified to requirement, default 6 zones
Sensitivity Adjustment	100 degrees per zone, independently
Alarm Time	1 to 25 seconds
Backlight Time	0 to 99 seconds, adjustable
Menu Languages	Chinese and English
Detection Speed	user-defined adjustment
Environmental Compensation	Automatic temperature and humidity tracking
Single Zone Variant	Imported fire board material, light weight and waterproof, aluminium alloy side columns

14. 33 Zone High Throughput Walk Through Metal Detector

This gate is specified for patron screening at high volume: 33 pinpoint zones locate a target head to foot across left, middle and right, with left and right LEDs showing which side it is on. Eight units can stand side by side at 50 cm intervals without interfering, which is what allows several lanes at one entrance.

Key benefits

- 33 pinpoint zones locating a target head to foot on left, middle and right
- Eight gates can run side by side at 50 cm intervals without interference
- Sensitivity adjustable from 0 to 99 on every zone individually
- Digital, analogue and left-right balanced anti-interference technology
- Records passage count, alarm times and interference strength to a large LCD

Specification

Detection Zones	33, pinpoint, head to foot on left, middle and right
Sensitivity Adjustment	0 to 99 per zone, individually
Maximum Sensitivity	one coin
Side-by-Side Operation	up to 8 doors at 50 cm intervals without interference
Working Power	30 W
Voltage	AC 110 V / 220 V
Working Temperature	-20°C to 55°C
Overall Dimensions	2240 high x 900 wide x 580 deep mm
Alley Dimensions	2240 high x 760 wide x 580 deep mm
Product Exterior Dimension	2200 x 800 x 600 mm
Product Interior Dimension	2050 x 700 x 600 mm
Net Weight	75 kg
Gross Weight	90 kg

15. Airport Walk Through and Handheld Metal Detector Set

Airport screening uses two devices together: the fixed walk-through gate as the first line, and a handheld wand for the secondary check when the gate alarms. Supplying them as a pair is what makes the checkpoint work, because a gate alone cannot resolve where the metal is and a wand alone cannot screen a queue.

Key benefits

- Fixed walk-through gate plus portable handheld wand as one screening set

- Screens large numbers of people efficiently at one checkpoint
- Lower operating cost than screening with trained staff alone
- Detects knives, guns, razor blades and other concealed weapons
- Usable in airports, hotels, railway stations and other public locations

Specification

Set Contents	Fixed walk-through detector and portable handheld detector
Application	Airports, hotels, railway stations and other public and private locations
Gate Zones	TBC - specified per project
Wand Model	TBC - specified per project
Power	TBC - confirm for your site voltage

16. Viking VM-24 Zone Archway Metal Detection System

The VM-24 uses a full strong fireproof frame with an integrated LCD touch screen host, and its zone configuration is switchable between 8, 16 and 24 positions rather than fixed at manufacture. Total sensitivity runs to 4095 levels with 300 levels per location, and it keeps working normally when large metal objects such as an X-ray machine sit right beside it.

Key benefits

- Zone count switchable between 8, 16 and 24 positions
- Total sensitivity across 4095 levels, 300 per individual location
- Works normally alongside large metal equipment such as an X-ray machine
- Two units at only 20 cm apart, or 30 cm working side by side without interference
- Full strong fireproof frame with integrated LCD touch screen host

Specification

Zone Configuration	8, 16 or 24, arbitrarily switchable
Total Sensitivity	0 to 4095 levels
Per-Location Sensitivity	300 levels
Frequency Settings	1 to 99, optional
Side-by-Side Spacing	20 cm for two devices, 30 cm working side by side without interference
Frame	Full strong fireproof
Host	Integrated LCD touch screen, 7 inch
Power	10 W
Voltage	up to 240 V, 50/60 Hz
External Dimensions	2220 x 820 x 500 mm
Passage Dimensions	1990 x 710 x 500 mm
Weight	60 kg

17. 12 Zone All-Weather Walk Through Metal Detector

This gate is built to stand outdoors: IP55 rated, alloy and PVC construction, and rated from -30°C to 55°C at up to 95% humidity. It runs 12 independent detection zones with LED gatepost lights showing whether the target is on the left, in the middle or on the right, and up to 32 gates can be networked over RS485.

Key benefits

- IP55 all-weather rating with alloy and PVC construction
- Operates from -30°C to 55°C at up to 95% humidity

- 12 independent detection zones with left, middle and right indication
- Up to 32 gates networked over an RS485 port
- Complies with standard GB15210-2003

Specification

Detection Zones	12, independently distributed
Sensitivity	255 levels
Ingress Protection	IP55, all weather
Construction	Alloy and PVC
Network Connection	RS485, up to 32 gates
Outer Frame	2.2 x 0.82 x 0.5 m (H x W x D)
Inner Frame	2.0 x 0.7 x 0.5 m (H x W x D)
Electric Current	90 to 240 V AC, 50/60 Hz
Power	35 VA
Net Weight	about 65 kg
Working Environment	-30°C to 55°C, humidity up to 95%
Standard	GB15210-2003

18. Airport Gateway Security Screening Metal Detector

This gate is configurable across a wide range: 4 to 33 independent probes giving 4 to 33 detection zones, 50 selectable operating frequencies and an overall safety level from 1 to 20. Multiple network ports and a secondary development port mean it can be integrated into an existing system rather than run in isolation.

Key benefits

- 4 to 33 independent probes giving 4 to 33 detection zones
- 50 alternative operating frequencies to avoid local interference
- Overall safety level selectable from 1 to 20
- Multiple network ports plus a secondary development and upgrade port
- Smart partition function for detecting large objects

Specification

Detection Probes	4 to 33 independent
Detection Zones	4 to 33
Operating Frequencies	50 alternatives
Overall Safety Level	selectable 1 to 20
Display	Dual high-brightness red LED, super brightness SMD double zone indicators
Ports	Multiple network ports, external control alarm device port, secondary development and upgrade port
Counting	People passing and alarm times
Security	Password protection

19. Viking VM-45 Zone Archway Metal Detector System

The VM-45 is the top of the Viking archway range: 45 pinpoint detection zones, total sensitivity across 4095 levels with 0 to 300 per zone, and up to 99 selectable working frequencies. Two units run at only 20 cm apart without interfering, and it keeps working normally when a large X-ray machine stands right beside it.

Key benefits

- 45 pinpoint detection zones, the highest count in this range
- 0 to 4095 total sensitivity with 0 to 300 adjustable per zone
- Up to 99 selectable working frequencies
- Two gates at only 20 cm apart without interference
- Works normally when adjacent to large metal objects such as an X-ray machine

Specification

Detection Zones	45 pinpoint
Total Sensitivity	0 to 4095 levels
Per-Zone Sensitivity	0 to 300 adjustable
Working Frequencies	up to 99 selectable
Minimum Gate Spacing	20 cm between two devices without interference
Display	7 inch LCD touch screen
Power	10 W
Voltage	up to 240 V, 50/60 Hz
External Dimensions	2230 x 820 x 600 mm
Passage Dimensions	1995 x 710 x 600 mm
Weight	60 kg
Working Temperature	-20°C to 45°C
Optional Battery	20 hours or more off-mains operation

20. Portable Walk Through Metal Detector Gate

This gate assembles and dismantles in under 5 minutes without tools, by one person, and fits in a car or van at 35 kg net. It runs on its own rechargeable battery for 40 hours, is IP55 rated with UV protection, and is designed to comply with FAA and NILECJ-0601.00 EMC standards.

Key benefits

- Assembled or dismantled in under 5 minutes by one person, no tools
- 35 kg net, transportable in a car or van
- 40 hours on the included rechargeable battery
- IP55 with UV protection for indoor or outdoor use
- Designed to comply with FAA and NILECJ-0601.00 EMC standards

Specification

Detection Zones	3 zones or 6 zones
Sensitivity	0 to 99, 100 levels, adjustable; 300-level option
Assembly Time	under 5 minutes, single person, no tools
Battery	rechargeable, 40 hours, with AC adapter and recharge kit
Working Voltage	AC 100 V to 240 V, consumption under 10 W
Construction	ABS polycarbonate alloy
Standards	FAA, NILECJ-0601.00 EMC standard design
Outer Dimensions	225 x 97 x 58 cm
Inner Dimensions	210 x 80 x 58 cm
Portable Packing Size	107 x 66 x 71 cm

Weight	35 kg net, 48 kg gross
Temperature	-20°C to 70°C
Humidity	95% non-condensing
Protection Class	IP55 with UV protection
Warranty	Limited 12 months, parts and labour

21. Multi-Zone Walk Through Metal Detector up to 90 Zones

This WTMD platform scales its zone count from 1 up to 90, so the same gate design covers a simple single-zone door and a high-resolution 90-zone checkpoint. It is built from an electronic control unit and two door panels carrying transmitting and receiving antennas, with LED light bars top to bottom inside both panels.

Key benefits

- Zone count configurable from 1 up to 90
- LED light bars inside both door panels, top to bottom
- Electronic control unit with variable magnetic field generator and signal processor
- Power saving and standby modes
- Supplied with a full installation and operating manual

Specification

Zone Configuration	1 to 90 zones, including 8, 15, 16, 24, 30 and 45 zone variants
Construction	Two door panels plus main box with internal electronic control unit
Indication	LED light bars top to bottom inside both door panels
Power Adapter Input	AC 100 to 240 V
Power Adapter Output	15 V DC, 5 A
Adapter Size	114 x 50 x 30 mm
Cable Length	2.5 m
Modes	Power saving and standby
Documentation	Full user manual covering installation, operation and maintenance

22. VK-33 Zone Walk Through Metal Detector

The VK-33 carries a sensitivity calibration display, which the source describes as unique: when sensitivity is being set in one zone, the indicator lights only for that zone and the others stay quiet, so the operator knows exactly which area is being adjusted. Zone count is 33 or 36, single-zone sensitivity runs to 999 levels, and 72 built-in detection programs cover different occasions.

Key benefits

- Sensitivity calibration display showing which zone is being adjusted
- 33 or 36 zone detection with non-polar partition tracking metal movement
- Single-zone sensitivity up to 999 levels
- 72 built-in detection standard programs for different occasions
- Up to 100 working frequency bands, gates at 50 cm without interference

Specification

Detection Zones	33 or 36
Single Zone Sensitivity	up to 999 levels
Working Frequency Bands	up to 100

Side-by-Side Spacing	50 cm without mutual interference
Detection Objects	Magnetic, non-magnetic and alloy metals
Display	7 inch LCD
Shell Protection	IP55
Detection Programs	72 built-in standard programs
Interference Handling	DSP with automatic site environment scanning, no periodic adjustment needed

23. M-Scope Portable Walk Through Metal Detector

The M-Scope is self-contained and fully automatic: one person assembles it in under five minutes without tools, it runs about 40 hours on the included rechargeable batteries, and a universal power adaptor is supplied for use in countries with different sockets. It carries a 2 year warranty, and can be integrated with access control and CCTV over Ethernet.

Key benefits

- One-person assembly in under five minutes without tools
- About 40 hours on the included rechargeable batteries
- Universal power adaptor and charger supplied for any country
- 2 year warranty
- Integrates with access control, CCTV and other machines over Ethernet

Specification

Detection Zones	3 independent, head to foot
Sensitivity Settings	100, with 300-level adjustable range
Assembly Time	under 5 minutes, one person, no tools
Battery Life	approximately 40 hours on rechargeable batteries, included
Power	AC 110 to 220 V, universal adaptor and charger included
Outer Frame	2200 x 900 x 810 mm
Inner Frame	2000 x 800 x 570 mm
Portable Packing Size	107 x 66 x 71 cm
Net Weight	35 kg
Protection Class	IP55 with UV protection
Temperature	-20°C to 70°C
Humidity	95% non-condensing
Standards	FAA and NILECJ-0601.00 EMC standard design
Warranty	2 years

24. VW-8000P IP67 Waterproof Outdoor Walk Through Metal Detector

IP67 is the number that separates this gate from the rest of the range: it is washable, not merely splash resistant, so it can be cleaned down and left outdoors permanently. It runs 24 pinpoint zones with per-zone sensitivity from 0 to 355, 100 working frequencies, 100 security levels and 60 built-in detection programs, on a 7-inch HDMI LCD touch screen.

Key benefits

- IP67 waterproof, washable design for permanent outdoor use
- 24 pinpoint zones showing target location left, centre and right from head to toe
- Per-zone sensitivity from 0 to 355, with 100 security levels
- 60 built-in detection programs with upgrade services

- Detection speed of more than 60 people per minute

Specification

Detection Zones	24 pinpoint, left, centre and right, head to toe
Per-Zone Sensitivity	0 to 355 levels
Security Levels	100
Working Frequencies	100
Detection Programs	60 built-in, with upgrade services
IP Grade	IP67
Display	7 inch HDMI LCD touch screen
Detection Speed	more than 60 people per minute
LED Indicators	16 high-brightness
Mounting	Surface mount or modular mounting bracket

25. VW-6E 6 Zone Walk Through Metal Detector

The VW-6E is the six-zone gate for ordinary screening duty: schools, sporting events, concerts, courthouses and offices, where the requirement is an unobtrusive check rather than a high-security search. It draws 12 W from a 90 to 240 V supply, weighs 25 kg net, and carries CE certification.

Key benefits

- Six detection zones covering routine entrance screening
- Only 12 W power consumption from a 90 to 240 V supply
- 25 kg net, practical to install and relocate
- CE certified
- Unobtrusive operation suited to schools and offices

Specification

Detection Zones	6
Working Voltage	90 V to 240 V, 50/60 Hz
Power Consumption	12 W
Net Weight	25 kg
Gross Weight	30 kg
Installation Environment	100 cm wide x 200 cm long minimum metal-free range
Certification	CE
Passage Dimensions	TBC - confirm at quotation

26. Portable Walk-By Open Head Security Metal Detector

An open-head single-panel detector at 20 kg net, 2005 x 430 mm, for rapid screening where a full archway is not wanted. Maximum sensitivity reaches 10 g of metal, preset by weight, volume, size and part so keys, jewellery and belt buckles do not false-alarm. The manufacturer holds ISO 9001:2008, OHSAS occupational health and safety and ISO 14001, and the product carries EU CE certification.

Key benefits

- Open head single panel at only 20 kg net, rapid to deploy
- Maximum sensitivity of 10 g of metal
- Preset by metal weight, volume, size and part to exclude keys, jewellery and buckles

- EU CE certified, from an ISO 9001:2008, OHSAS occupational health and safety and ISO 14001 certified manufacturer
- Weak magnetic field technology, harmless to pacemaker wearers and pregnant women

Specification

Product Model	2018 single-chip liquid crystal
Vertical Dimension	2005 x 430 mm
Vertical Channel Dimension	2005 x 430 mm
Packing Dimension	2100 x 500 x 200 mm
Net Weight	20 kg
Gross Weight	22 kg
Operating Voltage	AC 90 V to 240 V, 50/60 Hz
Power Consumption	12 W
Operating Frequency Range	1 to 50 bands
Operating Temperature	-20°C to 65°C
Installation Environment	100 cm wide x 200 cm long metal-free minimum range
Maximum Sensitivity	10 g of metal
Electrical Standard	EN60950
Radiation Standard	EN50081-1
Anti-Interference Standard	EN50082-1
Implementation Standard	GB15210-2003