



Metal Detectors for Schools Specification Sheet

Entrance screening sized and priced for a school, including accessible and outdoor positions.

Models in this sheet: XLD Single Panel One Sided Walk Through Metal Detector, Oval Shape Waterproof Walk Through Metal Detector, 8 Zone Waterproof Door Frame Metal Detector for Schools, VW-Wide Extra Wide 6 Zone Walk Through 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. XLD Single Panel One Sided Walk Through Metal Detector

A single-panel gate takes half the width of a conventional archway, which is what makes it fit doorways and corridors that cannot accept a full frame. It uses an infrared sensor with mechanical interference rejection, sensitivity adjustable anywhere from 0 to 255, and a display panel showing the alarm area and exact location of the detected item.

Key benefits

- Single panel design fits doorways too narrow for a full archway
- Sensitivity adjustable from 0 to 255 per area
- Display shows alarm area and exact location of the detected item
- Password protection stops unauthorised parameter changes
- Alarm time 0 to 25 s, volume 0 to 255 and tone 1 to 10 all adjustable

Specification

Configuration	Single panel, one sided
Sensitivity Range	0 to 255, adjustable per area
Alarm Time	0 to 25 seconds, adjustable
Alarm Volume	0 to 255, adjustable
Alarm Tone	1 to 10
Panel Material	Imported synthetic, moisture and fire resistant
Sensing	Infrared sensor with mechanical interference rejection
Access Control	Password protected parameters
Statistics	People counted and alarm times

2. Oval Shape Waterproof Walk Through Metal Detector

This gate is specified to work in heavy rain, which is a stronger claim than splash resistance and the reason to choose it for a permanently outdoor position. It runs 18 pinpoint zones, sensitivity from 0 to 299, and adjustable operating frequencies that remove interference from X-ray units and radios standing nearby.

Key benefits

- Waterproof design specified to work in heavy rain
- 18 pinpoint zones identifying target locations from head to toe
- Sensitivity adjustable from level 0 to 299
- Adjustable operating frequencies eliminate X-ray and radio interference
- Broadband detection covering ferrous and non-ferrous articles

Specification

Detection Zones	18 pinpoint
Sensitivity	level 0 to 299
High Sensitivity Setting	can detect a pin
Low Sensitivity Setting	detects large items such as knife, gun, copper, aluminium or zinc over 150 g, ignoring belt buttons and shoes
Electric Current	AC 100 V to 240 V, 50/60 Hz
Power	10 W
Work Environment	-20°C to 45°C
Gross Weight	70 kg
Outer Frame	2220 x 820 x 610 mm

Inner Frame	2000 x 700 x 610 mm
Minimum Gate Spacing	0.3 m at low sensitivity, 0.5 m at high sensitivity
Waterproofing	Works in heavy rain

3. 8 Zone Waterproof Door Frame Metal Detector for Schools

An 8-zone gate that extends to 12 or 18 zones by splitting left, right and middle detection, with 255 sensitivity levels per zone and a preset for metal size, weight, volume and location so coins, keys and belts are excluded. Four hours of battery backup preserves the parameters through a power cut, and the PVC body with the control unit mounted on top is built for outdoor use.

Key benefits

- 8 zones extending to 12 or 18 by splitting left, right and middle detection
- 255 sensitivity levels per zone with high, middle and low patterns
- Preset by metal size, weight, volume and location to exclude coins, keys and belts
- 4 hours of battery backup preserving parameters through a power cut
- PVC body with top-mounted control unit, waterproof and moisture proof

Specification

Detection Zones	8, extendable to 12 or 18
Sensitivity per Zone	255 levels, with high, middle and low patterns
Alarm Time	1 to 25 seconds
Alarm Volume	255 settings
Alarm Tones	12
Frequency Range	4 kHz to 8 kHz
Preset Programs	6
Battery Backup	4 hours, uninterruptible, preserving parameters
Passing Speed	up to 100 persons per minute
Background Light	0 to 99 seconds
Construction	PVC with top-mounted control unit, waterproof and moisture proof
Access	Authorised operators only

4. VW-Wide Extra Wide 6 Zone Walk Through Metal Detector

The VW-Wide runs a 2000 x 1000 mm channel, which is what lets wheelchairs, trolleys and wide crowds through a screening point that a standard 700 mm archway cannot serve. It detects 4 g of flaky ferrous metal accurately, uses patented 3D multi-angle infrared to reject strong sunlight, and links to turnstiles, wing gates and access control.

Key benefits

- 2000 x 1000 mm extra wide channel for wheelchairs, trolleys and wide flow
- Detects 4 g of flaky ferrous metal accurately
- Patented 3D multi-angle infrared rejects strong light and sunlight interference
- Links to three roller gates, wing gates, access control and attendance systems
- Full wraparound high booties with double pivot, stable on uneven ground

Specification

Model	VW-Series extra width
Detection Zones	6

Detection Capability	4 g ferrous metal, flaky
Vertical Dimension	2200 x 500 x 1130 mm
Vertical Channel Size	2000 x 1000 mm
Main Box Packing Size	1055 x 340 x 210 mm
Net Weight	62.1 kg main box and detection door
Gross Weight	69.1 kg
Working Voltage	90 V to 240 V, 50/60 Hz
Power Consumption	20 W
Working Frequency Range	1 to 50 bands
Working Temperature	0°C to 65°C
Installation Environment	100 cm wide x 200 cm long minimum metal-free range
Security	Password management