KNIFE ARCHES

Portable Walk Through Metal Detector

A modular knife arch that breaks down into a strapped, wheeled stack and stands up again in minutes. Runs on mains or its own battery, with a rain canopy for outdoor use.

Product code **81561203** | Zones **24** | Power **Mains or battery**



24 zones
independent detection zones, head to toe

5–7 min
to stand up or break down, trained operator

Up to 9 h
on the built-in 12,000 mAh battery

IP54
dust and splash resistant, canopy included

Overview

A walk through metal detector built to move from site to site. The arch is made from eight modular pieces that lock together without tools, then stack with natural locking points and a strap to hold everything in place. Handles and wheels let one person move the packed unit.

Twenty-four independent detection zones run from the base of the arch up to the crossbar, so there are no blind spots, and red LED indicators show where on the body metal was found. Settings are made on a password-protected 7" LCD screen, and the built-in battery keeps it running for up to nine hours away from a mains supply.

Key features

- **Modular design:** eight pieces, stands up or breaks down in 5 to 7 minutes
- **Easy to move:** stacks and straps together, with handles and wheels
- **24 detection zones** with red LED indicators to pinpoint the location
- **255 sensitivity levels** and adjustable operating frequency to cut false alarms
- **Dual power:** mains, or up to 9 hours on the 12,000 mAh battery
- **Outdoor ready:** IP54 rated, with a waterproof canopy included

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Specification

Product code	81561203
Detection	
Detection zones	24 independent zones
Sensitivity	255 levels (0 to 255), adjustable by body area
Operating frequency	Adjustable, 0 to 100
Detection speed	Up to one person per second
Alarms	Adjustable, with a wide choice of alarm types; red LED zone indicators
Tally counter	Yes, 4 counting modes (traffic in either direction and alarms)
Controls	
Screen	7" LCD
Password protection	Yes
Power	
Supply	Mains, or built-in battery
Battery	12,000 mAh, 11.1 V lithium-ion polymer
Battery life	Up to 9 hours
Size and weight	
Set-up size H × W × D (mm)	2250 × 830 × 500
Walk-through opening H × W (mm)	2051 × 720
Packed size (mm)	889 × 606 × 484
Weight	42 kg
Construction	ABS polycarbonate alloy, modular, 8 pieces
Environment	
Operating temperature	-20°C to +60°C
Humidity	Up to 99%, non-condensing
Ingress protection	IP54
Standards	
Certification	UKCA, CE, RoHS
Performance standard	Conforms to NIJ 0601.02, except the clauses on fixing to a single location, which do not apply to a portable arch
In the box	
Supplied with	Modular arch, carry strap, waterproof canopy with frame

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How screening works

Walk through. Each person walks through the arch at a steady pace. Up to one person a second can be screened.

See where. If metal is found, the alarm sounds and the red LEDs light at the zones where it was detected, so the search can go straight to that area.

Tune it to the site. Set sensitivity for different parts of the body, and change the operating frequency to avoid interference from rebar, nearby electronics or another arch.

Count traffic. The tally counter records people passing in either direction and the number of alarms.

Where it can go

The arch stands on its own feet, so it can go wherever it is needed: venue entrances, events, schools, courts and temporary checkpoints.

Place it on a flat, level surface away from large metal objects and other electrical equipment. Run it from a mains socket, or from the built-in battery where there is no power nearby.

Outdoors, fit the supplied waterproof canopy to keep rain off the arch.



With the waterproof canopy fitted for outdoor use.



Broken down and strapped for transport.

Talk to someone who sells this every day

Tell us where you are screening and how many people need to get through, and we will help you choose the right arch and set-up.

Call 0116 318 4182

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