



Handheld Security Metal Detector Wands Specification Sheet

Hand wands for the secondary check after a gate alarms, and for screening where no gate exists.

Models in this sheet: Handheld Hazardous Liquid Detector, PD-240 High-Sensitivity Security Wand Metal Detector, MD-2024 Hand Held Metal Detector, VA360 Ultra-High Sensitivity Handheld Metal Detector, VA300C Handheld Wand Metal Detector, VA300 Handheld Metal Detector, GC-613 Security Screening Handheld Metal Detector Wand, GC-1001 Handheld Metal Detector, GP-008 Super Wand Handheld Metal Detector, V006E Handheld Security Metal Detector Wand, GC-1002 Handheld Security Metal Detector, V160-E Handheld Metal Detector with Object Size Indication, Compact Handheld Security Metal Detector with Holster, V-006 Handheld Security Metal Detector Wand, PD-140 Security Metal Detector Wand, GC-3003 Airport Metal Detector Wand, GC-1002 Secure Wand Handheld Metal Detector, GC-1001h Handheld Metal Detector, MD-3003B1 Super Scanner Handheld Metal Detector, MD-300 Security Handheld Wand Scanner, GP-008 Handheld Metal Detector for Weapons and Explosives, VK-2022 Rechargeable Handheld 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. Handheld Hazardous Liquid Detector

This handheld detector tells a flammable liquid from a safe one without opening the container. It reads dielectric constant and conductivity through quasi-static computer tomography, so gasoline, acetone, ethanol or thinner is separated from water, cola, milk or juice in about a second, across 49 types of flammable and corrosive liquid. The unit weighs 190 g and stores over 150,000 records.

Key benefits

- Distinguishes flammable and explosive liquids from safe drinks without contact
- Covers 49 types of flammable and corrosive liquid
- Result in about one second, with one-second startup
- 190 g in the hand, at 210 x 50 x 70 mm
- Stores over 150,000 records with USB data export

Specification

Detection Method	Quasi-static computer tomography, dielectric constant and conductivity
Liquid Types Covered	49 flammable and corrosive liquids
Container Types	Non-metallic containers
Startup Time	1 second
Data Storage	over 150,000 records
Data Export	USB
Dimensions	210 x 50 x 70 mm
Weight	190 g
Operating Temperature	-10°C to 55°C

2. PD-240 High-Sensitivity Security Wand Metal Detector

The PD-240 is built around two things a checkpoint actually needs: it finds non-magnetic metal as readily as ferrous, and it does not need periodic calibration. Battery life is the other headline, at around 100 hours of standby on two AA cells and up to 500 hours on the dedicated lithium pack. It weighs about 300 g in a shock-resistant ABS body.

Key benefits

- Detects both magnetic and non-magnetic metal, including very small items
- Stable performance with no need for periodic calibration
- Around 100 hours standby on AA cells, up to 500 hours on the lithium pack
- Sound, indicator light and vibration alarms for any environment
- About 300 g in shock and impact resistant ABS

Specification

Sensitivity	Low, normal and high
Alarm Mode	Audible, visual and vibration, varying with detected metal content
Power Supply	2 x AA cells (1.2 V rechargeable or 1.5 V standard)
Continuous Use	approximately 100 hours standby, up to 500 hours with the dedicated lithium battery
Charging Interface	USB Type-C
Standby Power Consumption	30 mW
Working Temperature	-20°C to 65°C at 0 to 95% relative humidity
Dimensions	378 x 80 x 36 mm
Weight	approximately 300 g

Material	Shock and impact resistant ABS plastic
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3. MD-2024 Hand Held Metal Detector

The MD-2024 is a 360 g security wand with adjustable sensitivity and a choice of audio or vibration alerting, running at 22 kHz from a 9 V supply. One-button operation is the practical point: a new officer is proficient in minutes, which matters when screening staff turn over between events.

Key benefits

- Adjustable sensitivity to suit the screening environment
- Choice of audio signal or vibration alert for discreet or noisy settings
- One-button operation, quick for new staff to learn
- 360 g net weight for long screening sessions
- Operating current under 50 mA for extended battery life

Specification

Power Voltage	9 V standard or rechargeable battery
Operating Frequency	22 kHz
Operating Current	under 50 mA
Operating Voltage	7 V to 9 V
Operating Temperature	-5°C to 55°C
Net Weight	360 g
Alert Modes	Audio signal or vibration

4. VA360 Ultra-High Sensitivity Handheld Metal Detector

The VA360 uses a digital circuit design rather than an analogue one, which is why it holds its setting without calibration and resists interference from nearby electrical equipment. A purpose-designed coil with programmable sound, light and vibration alarms raises sensitivity while keeping power draw low enough for 100 hours of continuous use. It weighs 0.30 kg in shock-resistant ABS.

Key benefits

- Digital circuit design with strong anti-interference capability
- No calibration needed, so detection does not drift between shifts
- 100 hours of continuous use per charge
- Three alarm modes: vibration, sound, or both together
- 0.30 kg at 360 x 82 x 42.5 mm in shock-resistant ABS

Specification

Sensitivity	Ultra-high, security specification
Alarm Modes	Vibration, sound, or vibration with sound
Continuous Use	100 hours
Charging	Direct charging and dock charging
Dimensions	360 x 82 x 42.5 mm
Weight	0.30 kg
Material	Shock-resistant, impact-resistant ABS plastic
Calibration	Not required

5. VA300C Handheld Wand Metal Detector

The VA300C is the lightest wand in the VA series at 0.25 kg, with a digital design that needs no periodic calibration and 80 hours or more of continuous use. Three alarm modes and an anti-slip handle make it practical across a long shift, and it works from -25°C to 60°C, which covers outdoor checkpoints in most climates.

Key benefits

- 0.25 kg with an anti-slip handle for long screening sessions
- 80 hours or more of continuous use
- Calibration-free stability from a digital design
- Three alarm modes with size indication from audio and visual cues
- Operates from -25°C to 60°C at 0 to 95% humidity

Specification

Model	VA300C
Sensitivity	Low, normal and high
Alarm Modes	Vibration, sound, or vibration with sound, with size indication from audio and visual cues
Continuous Usage Time	80 hours or more
Charging	Direct charging with charging and low battery indicators
Operating Temperature	-25°C to 60°C at 0 to 95% humidity
Dimensions	360 x 82 x 42.5 mm
Weight	0.25 kg
Material	Shock-resistant, impact-resistant ABS plastic

6. VA300 Handheld Metal Detector

The VA300 is the base model of the VA wand family: 0.25 kg, 360 x 82 x 42.5 mm, three alarm modes and 100 hours of continuous use, with direct and dock charging. Like the rest of the series it uses a digital design that holds its setting without calibration, so a wand handed between shifts behaves the same way each time.

Key benefits

- 100 hours of continuous use per charge
- Three alarm modes: vibration, sound, or both
- Direct and dock charging
- 0.25 kg at 360 x 82 x 42.5 mm
- Shock-resistant ABS construction

Specification

Alarm Modes	Vibration, sound, or vibration with sound
Continuous Use	100 hours
Charging	Direct charging and dock charging
Dimensions	360 x 82 x 42.5 mm
Weight	0.25 kg
Material	Shock-resistant, impact-resistant ABS plastic

7. GC-613 Security Screening Handheld Metal Detector Wand

The GC-613 runs at 95 kHz with adjustable sensitivity, dual vibration and sound alerting, and a 9 V rechargeable battery drawing under 5 mA on standby. At 414 x 80 x 40 mm and 380 g it is a full-size wand, built rugged for daily use rather than occasional screening.

Key benefits

- 95 kHz operating frequency with adjustable sensitivity
- Dual alert by vibration and sound
- Standby current under 5 mA for long battery life
- Rugged construction for daily security operations
- 380 g at 414 x 80 x 40 mm

Specification

Product Model	GC-613
Alarm Modes	Dual alert with vibration and sound
Power Source	9 V rechargeable battery
Standby Current	under 5 mA
Power Consumption	270 mW
Product Dimensions	414 x 80 x 40 mm
Operating Temperature	-10°C to 65°C
Frequency	95 kHz
Weight	380 g

8. GC-1001 Handheld Metal Detector

The GC-1001 has no adjustable controller at all, which is the point: there is nothing for an operator to set wrong, and it reacts immediately on detection. It runs from a standard 9 V battery, draws under 1 mA while working and nothing at all when stopped, and alarms with sound and light together. Size is 410 x 85 mm at 500 g.

Key benefits

- No adjustable controller, so nothing can be mis-set by an operator
- Fast reaction on detection
- Under 1 mA while working and no drain when stopped
- Simultaneous sound and light alarm
- Standard 9 V battery, available anywhere

Specification

Dimensions	410 x 85 mm
Power Source	standard 9 V overlapping battery
Alarm Mode	Sound and light simultaneously
Weight	500 g
Working Current	under 1 mA
Standby Consumption	none when stopped

9. GP-008 Super Wand Handheld Metal Detector

The GP-008 publishes what most wands do not: detection distances by object. A pin is picked up at 30 to 60 mm, a 6-inch knife at 160 to 180 mm and a 64-model hand gun at 180 to 195 mm. It runs at 35 kHz from a 9 V battery, weighs 225 g without the battery, and uses a PC plus ABS moulding that survives being dropped on a hard floor.

Key benefits

- Published detection distances: pin 30-60 mm, knife 160-180 mm, hand gun 180-195 mm
- 225 g without battery, the lightest wand in this group
- Detects both ferrous and non-ferrous metal
- Two alarm methods: buzzer with LED, or vibration with LED
- PC plus ABS moulding for durability

Specification

Detection, Pin	30 to 60 mm
Detection, 6-Inch Knife	160 to 180 mm
Detection, 64-Model Hand Gun	180 to 195 mm
Power	9 V (6F22) standard or rechargeable battery (optional)
Frequency	35 kHz
Weight	225 g without battery
Size	40 x 8 x 4 cm
Operating Temperature	-20°C to 55°C
Alarm Methods	Buzzer with LED, or vibration with LED
Material	PC plus ABS mould material
Gross Weight per Unit	420 g
Packing Size per Unit	50 x 10 x 5 cm

10. V006E Handheld Security Metal Detector Wand

The V006E is an ultra-high sensitivity wand for magnetic and non-magnetic metal, with a sensing area shaped to make sweeping straightforward. It holds its setting without periodic calibration, alarms by light, sound or vibration, and runs about 100 hours on two AA cells or 500 hours on the dedicated lithium pack, at about 300 g.

Key benefits

- Ultra-high sensitivity to extremely small non-magnetic metal objects
- Stable performance without periodic calibration
- About 100 hours on AA cells, 500 hours on the dedicated lithium battery
- Indicator light, sound and vibration alarms for any environment
- About 300 g in shock and impact resistant ABS

Specification

Sensitivity	Low, normal and high
Alarm Mode	Visual and audible, or visual and vibration, varying with detected metal content
Power Supply	2 x AA cells (1.2 V rechargeable or 1.5 V standard)
Continuous Use	approximately 100 hours, or 500 hours with the dedicated lithium battery
Charging Interface	USB Type-C
Standby Power Consumption	30 mW
Working Temperature	-20°C to 65°C at 0 to 95% relative humidity
Size	378 x 80 x 36 mm
Weight	approximately 300 g
Material	Shock resistant, impact resistant ABS plastic

11. GC-1002 Handheld Security Metal Detector

The GC-1002 needs no adjustment at all, and its detection distance holds steady as the 9 V battery drops from 9 V to about 7 V, which is what stops performance quietly degrading through a shift. It runs 20 kHz with sound and vibration alarms, works about 40 hours continuously, and weighs 450 g at 417 x 87 x 41 mm.

Key benefits

- No adjustment required, nothing for an operator to set wrong
- Detection distance holds steady as the battery falls from 9 V to about 7 V
- About 40 hours of continuous work on low power consumption
- Automatic continuous alarm when the battery is exhausted
- External rechargeable socket and hand-off switch for audio, light and vibration

Specification

Model	GC-1002
Dimension	417 x 87 x 41 mm
Working Frequency	20 kHz
Alarm Mode	Sound and vibration
Weight	450 g
Power	Standard 9 V laminated alkaline battery
Continuous Working Time	approximately 40 hours
Battery Behaviour	detection distance unchanged from 9 V down to about 7 V; automatic continuous alarm when exhausted

12. V160-E Handheld Metal Detector with Object Size Indication

The V160-E changes its alarm as the amount of detected metal changes, so an operator gets a sense of object size rather than a flat alarm. It is ultra-high sensitivity for magnetic and non-magnetic metal, holds its setting without periodic calibration, and runs about 100 hours on AA cells or 500 hours on the dedicated lithium pack.

Key benefits

- Alarm indication changes with the amount of metal detected, indicating object size
- Ultra-high sensitivity to extremely small non-magnetic metal objects
- Stable performance without periodic calibration
- About 100 hours on AA cells, 500 hours on the dedicated lithium battery
- 300 g in shock and impact resistant ABS

Specification

Model	V160-E
Sensitivity	Low, normal and high
Alarm Mode	Visual and audible, or visual and vibration, changing with detected metal content
Power Supply	2 x AA cells (1.2 V rechargeable or 1.5 V standard)
Continuous Use	approximately 100 hours, or 500 hours with the dedicated lithium battery
Charging Interface	USB Type-C
Standby Power Consumption	30 mW
Working Temperature	-20°C to 65°C at 0 to 95% relative humidity
Size	378 x 80 x 36 mm
Weight	approximately 300 g

Material	Shock resistant, impact resistant ABS plastic
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13. Compact Handheld Security Metal Detector with Holster

A compact security wand with published detection distances by target: a pin at 30 to 60 mm, a 64-model handgun at 150 mm, a 3.6 inch knife at 160 mm and a 20 mm steel ball at 90 mm. It needs no adjustment, holds its detection distance as the battery falls from 9 V to about 7 V, runs 40 hours continuously, and the holster is included free.

Key benefits

- Published detection distances by target type
- No adjustment required before use
- Detection distance unchanged as the battery drops from 9 V to about 7 V
- 40 hours of continuous work on low power consumption
- Holster supplied free with the detector

Specification

Detection, Pin	30 to 60 mm
Detection, 64-Model Handgun	150 mm
Detection, 3.6 Inch Long Knife	160 mm
Detection, 20 mm Steel Ball	90 mm
Continuous Working Time	40 hours
Battery Behaviour	detection distance unchanged from 9 V down to about 7 V
Charger Voltage	9 V AC, 10 V DC (battery and charger to be provided by the buyer)
Alarm	Audio, light and vibration, with hand-off switch
Included	Holster supplied free

14. V-006 Handheld Security Metal Detector Wand

The V-006 has four sensitivity levels rather than the usual three, adding an ultra-high setting for extremely small non-magnetic objects. It detects a 25-cent coin at 60 mm, runs about 100 hours on standard batteries or up to 500 hours on the dedicated lithium pack, and weighs about 200 g at 350 x 80 x 60 mm.

Key benefits

- Four sensitivity levels including ultra-high for very small non-magnetic objects
- Detects a 25-cent coin at 60 mm
- About 100 hours standby, up to 500 hours on the dedicated lithium battery
- About 200 g, the lightest wand in this range
- Three alarm forms: sound, light and vibration

Specification

Sensitivity	Low, normal, high and ultra-high
Detection	25-cent coin at 60 mm
Power	Dedicated 7.4 V lithium, 9 V laminated or 9 V Ni-MH battery
Standby Time	about 100 hours, up to 500 hours with the dedicated lithium battery
Charger	Optional
Operating Temperature	-20°C to 65°C at 0 to 95% relative humidity
Size	350 x 80 x 60 mm

Weight	about 200 g
Material	Shock and impact resistant ABS plastic

15. PD-140 Security Metal Detector Wand

The PD-140 is a compact, robust wand with three sensitivity levels and all three standard alert types including vibrate, finding both ferrous and non-ferrous metal. Practical details set it apart: a secure twist-close battery compartment that will not shed a cell when dropped, an LED light for working in poor visibility, and a low battery indicator.

Key benefits

- Three sensitivity levels with all three standard alert types including vibrate
- Detects both ferrous and non-ferrous metals
- Secure twist-close battery compartment
- LED lighting for working in poor visibility
- Low battery indicator with long battery life

Specification

Sensitivity Levels	Three
Alert Types	All three standard types, including vibrate
Detection	Ferrous and non-ferrous metals
Battery	1 x 9 V, not included
Battery Compartment	Secure twist close
Indicators	Low battery indicator
Lighting	LED
Origin	Made in China
Warranty	6 month manufacturer's warranty

16. GC-3003 Airport Metal Detector Wand

The GC-3003 publishes detection distances by object: a pin at 30 to 60 mm, a 64-model handgun at 150 mm, a 6-inch knife at 160 mm and a 20 mm steel ball at 90 mm. Detection distance holds steady as the 9 V battery falls to 7 V, it self-checks on startup, and it works 40 hours continuously before a 4 to 6 hour recharge.

Key benefits

- Published detection distances by object type
- Detection distance unchanged as the battery drops from 9 V to 7 V
- 40 hours of continuous work, recharging in 4 to 6 hours
- Self-checks on startup and warns audibly or by vibration when the battery is low
- Audible, light and vibratory alarms selectable

Specification

Detection, Pin	30 to 60 mm
Detection, 64-Model Handgun	150 mm
Detection, 6-Inch Knife	160 mm
Detection, 20 mm Steel Ball	90 mm
Sensitivity	High and low
Continuous Working Time	40 hours

Charging Time	4 to 6 hours
Battery Behaviour	detection distance unchanged from 9 V down to 7 V
Alarms	Light, audible and vibratory
Material	ABS

17. GC-1002 Secure Wand Handheld Metal Detector

The GC-1002 has a graduated LED indicator: the light shifts from green to red according to the size of the object detected, so an operator judges a target rather than just hearing an alarm. It resets automatically in 0.5 seconds, runs over 40 hours on 250 mA, weighs 270 g without battery, and survives a 1 m free fall undamaged.

Key benefits

- LED colour changes from green to red with the size of the detected object
- Automatic reset in 0.5 seconds between checks
- Over 40 hours continuous working at 250 mA
- Survives a 1 m free fall without damage
- Plug-in socket charges rechargeable batteries in the machine

Specification

Power Supply	9 V battery
Power Consumption	270 mW maximum
Working Frequency	22 kHz
Standby Current	under 5 mA
Working Voltage	DC 7 to 12 V
Working Temperature	-10°C to 65°C
Reset Time	0.5 seconds, automatic
Net Weight	270 g without battery
Size	295 x 68 x 20 mm
Current Draw	250 mA, over 40 hours continuous
Drop Resistance	1 m free fall without damage
Battery Behaviour	detection range unchanged from 9 V down to about 7 V

18. GC-1001h Handheld Metal Detector

The GC-1001h uses four quick-set modes so an operator finds the right setting without trial and error, and the target indicator shows red for an alarm or green for clear. It runs at 30 kHz from a 9 V alkaline or lithium cell, resets automatically in 0.5 seconds, and weighs 225 g excluding battery at 375 x 77 x 26 mm.

Key benefits

- Four quick-set modes remove trial-and-error setting up
- Target indicator shows red for alarm and green for clear
- 30 kHz operation with 0.5 second automatic reset
- 225 g excluding battery, easy to hold for long periods
- Large detection area with rapid response

Specification

Frequency	30 kHz
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Reset Time	0.5 seconds, automatic
Battery	9 V alkaline or lithium
Operating Temperature	15°C to 45°C
Size	375 x 77 x 26 mm
Weight	225 g excluding battery
Carton Size	40 x 34 x 22 cm
Carton Gross Weight	6 kg
Alarm Signal	Sound mode with buzzer and red LED, or vibration mode with red LED
Indicators	Flashing green LED on start-up, flashing red LED for low voltage

19. MD-3003B1 Super Scanner Handheld Metal Detector

The MD-3003B1 publishes detection distance by object: a .38 pistol at 20 cm, a small knife at 15 cm, a blade at 10 cm and a coin at 8 cm. Sensitivity can be dropped momentarily with a button or set permanently on a knob, which is what lets one operator pass a known metal object without re-tuning the wand. A belt holster is included.

Key benefits

- Published detection distances: pistol 20 cm, knife 15 cm, blade 10 cm, coin 8 cm
- Momentary sensitivity reduction by button, or permanent adjustment by knob
- About 60 hours of battery life with a low battery warning
- Belt holster supplied with the detector
- Balanced 409 g body, comfortable for extended use by any operator

Specification

Detection, .38 Pistol	20 cm
Detection, Small Knife	15 cm
Detection, Blade	10 cm
Detection, Coin	8 cm
Detection, Pin	30 to 60 mm
Alarm Indication	Simultaneous visual and audio LED, plus vibration
Operating Voltage	7 V to 9 V
Power Supply	9 V alkaline battery, rechargeable model available
Battery Life	approximately 60 hours, with low battery warning
Dimensions	410 x 86 x 46 mm
Weight	409 g
Material	ABS
Packing	25 units per carton
Included	Belt holster

20. MD-300 Security Handheld Wand Scanner

The MD-300 uses a circular detection area rather than a flat blade, which is what gives it a consistent response from any approach angle. It runs at 20 kHz, detects a 40 mm diameter target and 10 mm copper or aluminium sheet, weighs 272 g including battery, and works about 40 hours from a single 9 V cell.

Key benefits

- Circular detection area giving consistent response from any angle

- 20 kHz operation with adjustable sensitivity
- 272 g including battery, light for extended screening
- About 40 hours normal working on one 9 V cell
- Audio, visual and vibration alerts plus a built-in LED flashlight

Specification

Operating Frequency	20 kHz
Weight	272 g including battery
Length	420 mm
Width	138 mm
Height	110 mm
Handle Measurement	30 x 30 mm
Control	Manual
Indicators	Buzzer and vibration motor
Battery	9 V, suitable for about 40 hours normal working
Detection, Diameter Target	40 mm
Detection, Copper and Aluminium Sheet	10 mm

21. GP-008 Handheld Metal Detector for Weapons and Explosives

The GP-008 is designed around one trade-off: combining high sensitivity with low noise, so the detection stays stable rather than chattering at the top of its range. A golden noise filter handles the interference, the detecting area is shaped for sensitivity, and the PC plus ABS moulding survives daily carrying.

Key benefits

- High sensitivity combined with low noise for stable, accurate detection
- Golden noise filter suppressing interference
- Detecting area shaped specifically to raise sensitivity
- PC plus ABS moulding, durable and easy to carry
- Rechargeable with a low battery indicator

Specification

Detected Metals	Iron, steel, copper, aluminium and others
Noise Handling	Golden noise filter
Indication	Audio tone or vibration
Material	PC plus ABS mould
Battery	Rechargeable, with low battery indicator
Frequency	TBC - the GP-008 Super Wand variant is specified at 35 kHz
Detection Distances	TBC - see the GP-008 Super Wand listing for published figures

22. VK-2022 Rechargeable Handheld Security Metal Detector

The VK-2022's Advanced Target Discrimination changes the alarm itself according to what it finds: volume alone shifts for a small target, while both tone and volume shift for a large one, so an operator hears the difference between a coin and a knife. It converts frequency automatically across 25 to 95 kHz, and has five sensitivity settings with a built-in lithium battery.

Key benefits

- Advanced Target Discrimination alters volume for small targets and tone plus volume for large ones
- Automatic frequency conversion across 25 to 95 kHz
- Five-speed sensitivity adjustment with sound, light and vibration alarms
- Built-in rechargeable lithium battery
- Clear low battery indication: audible alarm, red ALERT light and the green READY light stops flashing

Specification

Model	VK-2022
Sensitivity	Five-speed adjustment
Tone Identification	Advanced Target Discrimination, volume changes on small targets, tone and volume on large
Frequency	Automatic conversion, 25 to 95 kHz
Alarms	Sound, light, vibration and buzzer modes
Battery	Built-in rechargeable lithium
Charging	5 V, 1 A
Power Control	One-second long press to shut down, automatic shutdown after 15 minutes
Dimensions	41 cm x 8.2 cm x 4.41 cm
Low Battery Indication	Audible alarm, red ALERT light, green READY light stops flashing