



Educational Metal Detectors for Children Specification Sheet

Light, simple detectors that get a child outdoors and teach them how detection actually works.

Models in this sheet: MD-1008A Junior Metal Detector, MD-1006 Toy Metal Detector, MD-1005 Handheld Kids Metal Detector, MD-1011 Outdoor Metal Detector for Kids, MD-1010 Junior Metal Detector, GC-1061 Child's Metal Detector, MD-3005 II Metal Detector for Children, MD-3005 Kids 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. MD-1008A Junior Metal Detector

The MD-1008A is a junior detector built around a 55.3 kHz circuit that picks up a single coin at 10 mm, with both sound and LCD indication so a child can see as well as hear a find. It stretches to 6.1 inches with a 6.77 inch coil, weighs 0.495 kg, and runs from a single 9 V battery.

Key benefits

- 55.3 kHz operating frequency detecting a single coin at 10 mm
- Both sound and LCD indication modes
- 0.495 kg, light enough for a child to carry on a walk
- Standard 9 V battery, replaceable anywhere
- Simple operation with sensitive control

Specification

Power	9 V (6F22)
Frequency	55.3 kHz
Current	standby 20 mA, maximum 70 mA
Voltage	7 V to 9 V
Sensitivity	one coin at 10 mm
Indication Mode	Sound mode and LCD mode
Stretch Length	6.1 inches
Detector Diameter	6.77 inches
Colour	Black
Weight	0.495 kg
Package Weight	0.7 kg
Package Size	13.58 x 7.28 x 3.15 inches

2. MD-1006 Toy Metal Detector

The MD-1006 is a complete starter set rather than a bare detector: carrying case, manual, 9 V battery, headphones and a shovel are included. It runs at 22 kHz, detects a single coin at 100 to 300 mm, and an alkaline battery lasts over 45 hours because detection distance holds steady even as the 9 V cell drops toward 7 V.

Key benefits

- Complete kit: case, manual, 9 V battery, headphones and shovel included
- Detection of a single coin at 100 to 300 mm
- Over 45 hours on an alkaline battery
- Detection distance stays steady as the battery drops from 9 V to 7 V
- Sound alarm when switching on and off confirms it is working

Specification

Power	9 V (6F22)
Frequency	22 kHz
Current	standby 10 mA, maximum 30 mA
Voltage	7 to 9 V
Sensitivity	one coin at 100 to 300 mm
Indication Mode	Sound mode
Stretch Length	15 to 27 inches

Colour	Black and yellow
Weight	540 g excluding battery
Package Weight	650 g
Package Size	23.6 x 7.1 x 2.4 inches
Battery Life	over 45 hours on alkaline

3. MD-1005 Handheld Kids Metal Detector

The MD-1005 has exactly one button: on and off. When it finds metal it alarms with sound and an LED, and that is the whole interface. It runs at 22 KHz from a 9 V battery, detects a hat pin at 30 mm and a US 25 cent coin at 50 mm, and ships with an English user manual, six pieces per carton.

Key benefits

- One button only, on and off, nothing for a child to mis-set
- Sound and LED alarm together on detection
- Detects a hat pin at 30 mm and a 25 cent coin at 50 mm
- Standard 9 V battery
- English user manual supplied

Specification

Power	9 V (6F22)
Operating Frequency	22 kHz
Operating Current	under 50 mA
Operating Voltage	7 V to 9 V
Sensitivity	30 mm at a hat pin, 50 mm at a USD 25 cent coin
Packing	6 pieces per carton
Colour	Blue or other colour
Weight	540 g
User Manual Language	English

4. MD-1011 Outdoor Metal Detector for Kids

The MD-1011 is the latest of the children's detectors in this range: light, easy to operate and fitted with an LCD, for finding lost coins, jewellery and other metal objects. It is aimed squarely at getting a child outdoors and interested in how detection works, and it packs 20 pieces per carton for retail supply.

Key benefits

- Latest model in the children's detector range
- LCD display rather than sound-only indication
- Light weight with easy operation for young users
- Suited to science education and parent-child activity
- Packed 20 pieces per carton for retail supply

Specification

Display	LCD
Unit Box Size	59.5 x 17.5 x 6 cm, 0.8 kg
Carton Size	62 x 36.5 x 61.5 cm, 18 kg

Carton Quantity	20 pieces
Frequency	TBC - confirm at quotation
Sensitivity	TBC - confirm at quotation

5. MD-1010 Junior Metal Detector

The MD-1010 is a junior detector that carries adult features rather than a stripped-down circuit: target identification, discrimination, pinpoint and ground cancellation to suppress false signals from mineralised soil. It runs from two AA cells, reaches 10 cm on a US quarter and has a waterproof, interchangeable search coil, so a beach or grassland session is not cut short.

Key benefits

- Target identification with discrimination so junk metal can be ignored
- Ground cancellation circuitry suppresses false signals from mineralised soil
- 10 cm on a US quarter, with detection depth from 10 to 50 cm by target
- Waterproof, interchangeable search coil
- Two AA cells, replaceable anywhere

Specification

Battery	2 x 1.5 V AA
Sensitivity	10 cm on a US 25/50 cent coin
Detection Depth	10 to 50 cm depending on target
Search Coil	Waterproof, interchangeable
Search Modes	LCD and sound
Indications	Target ID, depth, low battery, overload warning
Unit Box Size	50 x 24 x 13 cm, 0.8 kg
Carton Size	65 x 49 x 53 cm, 9.2 kg, 10 pieces
Included	1 metal detector, 1 English user manual

6. GC-1061 Child's Metal Detector

The GC-1061 dismantles for carrying, which is the practical difference for a school or family that has to store and transport it. It runs All Metal and DISC modes with motion discrimination, reads out on a viewmeter rather than an LCD, and reaches more than 16 cm on a US quarter in All Metal mode through a 170 mm waterproof coil.

Key benefits

- More than 16 cm on a US quarter in All Metal mode
- 170 mm waterproof search coil
- Dismountable for easy carrying and storage
- All Metal and DISC modes with motion discrimination
- 1.2 inch speaker with an earphone jack

Specification

Operation Modes	All Metal and DISC
Target Indication	Viewmeter
Audio	1.2 inch speaker or earphone jack
Sensitivity	maximum depth over 16 cm on a US quarter in All Metal mode
Discrimination	Motion discrimination

Search Coil	170 mm waterproof
Power Supply	Two 9 V batteries
Construction	Dismountable for easy carry

7. MD-3005 II Metal Detector for Children

The MD-3005 II is the second-generation children's detector in this family, built around an easy-to-read screen and a light, portable body that a child can carry to the yard, the beach or a school field. It is the display version of the MD-3005, which publishes 0.6 m maximum detection depth and ferrous/non-ferrous discrimination.

Key benefits

- Screen readout so a child can see as well as hear a find
- Lightweight and portable enough to carry anywhere
- Second-generation update of the MD-3005 platform
- Suitable for yard, school and beach searching
- Straightforward operation for young users

Specification

Type	Children's metal detector with display
Power	Battery operated
Frequency	TBC - confirm at quotation
Maximum Detection Depth	TBC - the MD-3005 in the same family is rated 0.6 m
Search Coil	TBC - confirm at quotation
Packing	TBC - confirm at quotation

8. MD-3005 Kids Metal Detector

The MD-3005 reaches 0.6 m maximum depth with ferrous and non-ferrous discrimination and one-touch auto-tune, which is more capability than most children's detectors carry. It runs at 22 kHz from a 9 V battery through a 170 mm coil, weighs 850 g and includes volume, tune control and a battery test on an adjustable stem.

Key benefits

- 0.6 m maximum detection depth
- Ferrous and non-ferrous discrimination
- One-touch auto-tune, no setup procedure
- 170 mm search coil with adjustable stem
- Battery test function built in

Specification

Power	9 V
Working Frequency	22 kHz
Working Current	under 50 mA
Working Voltage	7 V to 9 V
Maximum Detect Depth	0.6 m
Search Coil	170 mm
Stem	Adjustable
Earphone Jack	1/8 inch

Weight	850 g
Packing	5 pieces per carton