

Comparing Magnetic Utility Locators.

GA-92XT (Schonstedt)

GA-72Cd (Schonstedt)

GA-52Cx (Schonstedt)

MAC-51Bx (Schonstedt)

SCHONSTEDT GA-72CD

SCHONSTEDT MAGGIE LOCATOR

FX-3 (Fisher)

FP-ID 2100 (Fisher)

FISHER FPID 2100 Ferro Magnetic Locator

Subsurface ML-1 Steel Magnetic Locator

Magnastick MS 101/102 (Rycom)

MBW M10D MAGNETOMETER

GA-92XTD

C Scope M-Scan Ferromagnetic Locator

RIDGID MR-10 MAGNETIC LOCATOR

CST/berger MT202 Magna-Trak 200 Series

Parameter	GA-92XT (Schonstedt)	GA-72Cd (Schonstedt)	GA-52Cx (Schonstedt)	MAC-51Bx (Schonstedt)
Can I find ferrous objects?	Yes	Yes	Yes	Yes
Can you find non-ferrous objects?	No	No	No	No
Works in silty soil?	Yes	Yes	Yes	Yes
Works in clayey soil?	Possible	Possible	Possible	Possible
Works in organic soil?	Yes	Yes	Yes	Yes
Works in sandy soil?	Yes	Yes	Yes	Yes
Min freq (KHz)	~	~	~	~
Max freq (KHz)	~	~	~	~
Effort, training for data interpretation (Manual/Instructional Pages)	Low (under 50 pages)	Low (under 50 pages)	Low (under 50 pages)	Low (under 50 pages)
Relative cost	Low/Mid (\$2200)	Low/Mid (\$1900-\$2800)	Low (\$1800-\$2000)	Low (\$1800-\$2000)
Max depth~ (Meters/M Feet/ft)	3m / 10ft	3m / 10ft	3m / 10ft	3m / 10ft
Manufacturer warranty	7 years	7 years	7 years	1+ years
Battery Types	One 9V battery.	Two 9-V batteries	Two 9-V batteries	Two 9V (2 alkaline or 2 lithium batteries)
Accessories	Carrying Case, Two 9V Batteries	Hard Carrying Case, Two 9V Batteries	Hard Case, Two 9V Batteries	Carrying Case, Headphones, Two 9V Batteries
Application	For detecting markers, manholes, and septic tanks made from ferrous material.	For locating buried metallic objects, magnetically detectable nonmetallic ducts, cables.	Used for detecting underground ferrous utilities.	For locating cables, pipes, energized power lines, line tracing, pinpointing ferrous targets.

Parameter	SCHONSTEDT GA-72CD	SCHONSTEDT MAGGIE UNDERGROU ND MAGNETIC LOCATOR	FX-3 (Fisher)	FP-ID 2100 (Fisher)
Can I find ferrous objects?	Yes	Yes	Yes	Yes
Can you find non-ferrous objects?	No	No	No	No
Works in silty soil?	Yes	Yes	Yes	Yes
Works in clayey soil?	Possible	Possible	Possible	Possible
Works in organic soil?	Yes	Yes	Yes	Yes
Works in sandy soil?	Yes	Yes	Yes	Yes
Min freq (KHz)	~	~	~	~
Max freq (KHz)	~	~	~	~
Effort, training for data interpretation (Manual/Instructional Pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)
Relative cost	Low/Mid (\$2200)	Low (\$2000-\$2200)	Low (\$1200)	Low (\$1000-\$1200)
Max depth~ (Metres/M Feet/ft)	3m / 10ft	3m / 10ft	3m / 10ft	3m / 10ft
Manufacturer warranty	7 years	7 years	2 years	3 years
Battery Types	Two 9-Volt alkaline batteries	One 9V battery.	One 9-Volt battery (Battery Life: Carbon Zinc 25 hours. Alkaline 35 hours)	One 9V battery (55 hrs intermittent use)
Accessories	Hard Carrying Case, Two 9V Batteries	Carrying Case	Hard Case, Two 9V Batteries	Carrying Case, Rechargeable Batteries, Battery Charger
Application	For locating buried metallic objects, magnetically detectable nonmetallic ducts, cables.	For detecting iron and steel markers and pipes.	For locating ferromagnetic objects (iron, steel).	For locating manhole covers, catch basins, cast iron pipes, etc.

Parameter	FISHER FPID 2100 Ferro Magnetic Locator	Subsurface ML-1 Steel Magnetic Locator	Magnastick MS 101/102 (Rycom)	MBW M10D MAGNETOMETER / MAGNET LOCATOR
Can I find ferrous objects?	Yes	Yes	Yes	Yes
Can you find non-ferrous objects?	No	No	No	No
Works in silty soil?	Yes	Yes	Yes	Yes
Works in clayey soil?	Possible	Possible	Possible	Possible
Works in organic soil?	Yes	Yes	Yes	Yes
Works in sandy soil?	Yes	Yes	Yes	Yes
Min freq (KHz)	~	~	~	~
Max freq (KHz)	~	~	~	~
Effort, training for data interpretation (Manual/Instructional Pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)
Relative cost	Low (\$1200)	Low (\$1000-\$1400)	Low	Low (\$1400)
Max depth~ (Metres/M Feet/ft)	3m / 10ft	2.4m / 8ft	3m / 10ft	3m / 10ft
Manufacturer warranty	3 years	7 years	30 days	30 days
Battery Types	9V Battery	Two 9-V batteries	Six (6) "AA" batteries. Battery Life: ± 200 hours intermittent operation (alkaline batteries).	One lithium 9-volt battery
Accessories	Carrying Case, Rechargeable Batteries, Battery Charger	Carrying Case, Two 9V Batteries	Carrying Case, Two 9V Batteries	Carrying Case, Two 9V Batteries
Application	For locating manhole covers, catch basins, cast iron pipes, etc.	For locating survey pins, property markers, iron pipes, and other ferrous objects.	For locating ferrous objects.	For locating ferrous objects.

Parameter	GA-92XTD	C Scope M-Scan Ferromagnetic Locator	RIDGID MR-10 MAGNETIC LOCATOR	CST/berger MT202 Magna-Trak 200 Series Magnetic Locator
Can I find ferrous objects?	Yes	Yes	Yes	Yes
Can you find non-ferrous objects?	No	No	No	No
Works in silty soil?	Yes	Yes	Yes	Yes
Works in clayey soil?	Possible	Possible	Possible	Possible
Works in organic soil?	Yes	Yes	Yes	Yes
Works in sandy soil?	Yes	Yes	Yes	Yes
Min freq (KHz)	~	~	~	~
Max freq (KHz)	~	~	~	~
Effort, training for data interpretation (Manual/Instructional Pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)	Low (under 100 pages)
Relative cost	Low (\$2200)	Low (\$2500)	Low (\$1800)	Low (\$800)
Max depth~ (Metres/M Feet/ft)	3m / 10ft	3m / 10ft	3m / 10ft	2.4m / 8ft
Manufacturer warranty	1,2,7 years	30 days-2 years	Limited to Full Lifetime	5 years
Battery Types	One lithium 9-volt battery	Eight (8) AA batteries	Six (6) AAA batteries	Six (6) "AA" (Battery operation: ±100 hr battery life.)
Accessories	Carrying Case, Two 9V Batteries	Carrying Case, Two 9V Batteries	Carrying Case, Two 9V Batteries	Carrying Case, Two 9V Batteries
Application	For detecting markers, manholes, and septic tanks made from ferrous material.	For locating ferrous objects.	For locating ferrous objects like manhole covers and valve boxes.	For locating ferrous objects.