



**MINELAB**

***SERIOUS DETECTING***<sup>™</sup>

**PRODUCT CATALOG**

TREASURE THROUGH TECHNOLOGY



# Contents

## World Leader in Metal Sensing

Since its origins in 1985 Minelab has aspired to become the world leader in metal sensing technology. Through dedication to research and development plus innovative design Minelab has become a major world manufacturer of hand-held metal detectors.

Minelab's commitment to the development of new technologies along with excellence in customer service will give you a big advantage when you are out detecting, no matter what the ground or environmental conditions. With Minelab products you will have the opportunity to find more valuable targets more often.

With manufacturing, distribution and customer service operations in Australia and Europe and distribution and customer service facilities in the United States you are always safe in the knowledge that customer care is close at hand. Minelab's worldwide network of Authorized Dealers are able to give you the most up-to-date knowledge in products and techniques that will help you improve your success rate in the field.

Minelab products have set new standards in the world of metal detecting for both performance and innovation. This catalog displays the complete range of world leading products from Minelab and will assist you in finding a quality, easy to use, high performance detector to suit your needs.

For the latest information on Minelab metal detectors and customer stories please visit our website at [www.minelab.com](http://www.minelab.com).

Note: As a world leader in metal sensing technology Minelab strives to continually innovate and improve its product range. In keeping with these aims, Minelab reserves the right to respond to ongoing technical progress by introducing changes to the design, technical features and accessories of each product. Certain images and descriptions in this product catalog may vary from products purchased.



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# Minelab Detector Range and Comparison Chart



Feature	Explorer SE	Quattro MP	Sovereign GT	Musketeeer Advantage	Excalibur 800/1000	GP-Series	SD2200v2	SD2100v2	Eureka Gold
Technology	FBS	FBS	BBS	VLF	BBS	DVT/MPS	MPS	MPS	VLF
Number of Frequencies (kHz)	28 (1.5 - 100)	28 (1.5 - 100)	17 (1.5 - 25.5)	1 (5)	17 (1.5 - 25.5)	Multi-pulse	Multi-pulse	Multi-pulse	(6.4; 20; 60)
Microprocessor Controlled	•	•	•		•	•	•	•	•
Manual Ground Balance				•		•		•	
Automatic Ground Balance	•	•	•		•	•	•		
Automatic Ground Tracking	•	•	•			•	•		•
All Metal Mode	•	•	•	•	•	•	•	•	•
Pinpoint Mode	•	•	•	•	•				
Discrimination	•	•	•	•	•	•	•		•
Notch Discrimination	•	•	•						
Sensitivity Adjustment	•	•	•	•	•	•			•
Volume Adjustment	•	•	•		•	•			•
Threshold Adjustment	•	•	•		•	•	•	•	•
Soil Switch						•			
Audio Boost	•					•	•		•
Target Tone ID	•	•	•		•				
Digital Meter Display	•	•	Optional						
Noise Cancel	•	•	•			•	•	•	
Dual Coordinate Target ID	•								



# DETECTING INFORMATION

## General Detecting Information

### How a metal detector works

Metal detectors work due to the fact that metal is conductive. Metal detectors create an electro-magnetic field, which penetrates the ground. When the search coil senses a change in this field (caused by a metal object) it sends a signal back to the control box which then alerts the operator. Metal detectors react to the surface area of objects, not their mass, therefore the larger the object, the deeper it can be detected.

### Operating Frequencies and Sensitivity

Measured in kiloHertz (kHz) the frequency is the number of times a signal is transmitted into the ground and received back, per second. The lower the frequency used by a detector, the deeper it can normally penetrate. At low frequencies however, the sensitivity to small targets is sometimes reduced. The higher the frequency, the higher the sensitivity to small targets, but it may not penetrate as deeply. In general, gold detectors operate at higher frequencies (to find small nuggets) while coin and treasure detectors work at lower frequencies for deeper penetration (the exception to this is MPS type metal detectors that are sensitive and deep-seeking simultaneously).

## Metal Detecting Terminology:

### Automatic Ground Tracking (AGT)

AGT refers to the ability of the detector to track the changes in ground mineralization and automatically adjust the ground balance to suit. This ensures perfect ground balance and full detection depth and eliminates the need for the operator to stop and manually adjust the detector as the ground conditions change.

### Broad Band Spectrum (BBS)

Most detectors operate on one or sometimes two frequencies only. Minelab's BBS technology automatically transmits 17 separate frequencies over a range from 1.5kHz to 25.5kHz. This means you have more depth, greater sensitivity and more accurate discrimination.

### Full Band Spectrum (FBS)

FBS technology is a further development of Minelab's BBS Multi-Frequency Technology. This technology is unique to Minelab, providing greater depth and improved target identification in most soil conditions. FBS refers to the use of 28 frequencies operating simultaneously over a range from 1.5kHz to 100kHz. FBS technology means that a wider range of targets can be located at greater depths.

### Difficult Soil

Soil contains naturally occurring salts and minerals, which are known as mineralization. Areas of highly mineralized soil are generally known as difficult soils. Sandy or loam soils are low in minerals and are usually very easy to detect. Most detectors have a control called 'ground balance' which is used to compensate for the effect of mineralization. The most difficult ground conditions are the areas where mineralization varies. Here, the operator must repeatedly re-balance their detector unless their machine features Automatic Ground Tracking (AGT) technology, which will continuously and automatically adjust the detector for perfect ground balance.

### Quiet Ground

Quiet ground does not contain minerals. It is neutral and generally loam to sandy in consistency. Ground balancing a metal detector is much easier in these conditions.

### Discrimination

Discrimination refers to the ability of the metal detector to estimate the type of metal a target is made of. Discrimination gives

### Dual Voltage Technology (DVT)

DVT refers to changes in the voltage used to create the electro-magnetic field transmitted from the coil into the ground. By using two different voltages (DVT) the possibility of magnetic saturation of the ground is lessened. Thus, detectors using DVT have an increased ability to balance out ground mineralization providing increased depth and greater sensitivity compared with other detectors.

### Multi-Period Sensing (MPS)

Minelab's unique MPS technology transmits a stream of alternating short and long pulses of magnetic field into the ground, causing objects to produce a changed magnetic field of their own. This means you can locate metal targets at far greater depth than conventional (VLF) detectors, while very small targets can still be found in difficult grounds. MPS technology also aids in the accuracy of ground balance which limits the number of 'ghost' or false signals.

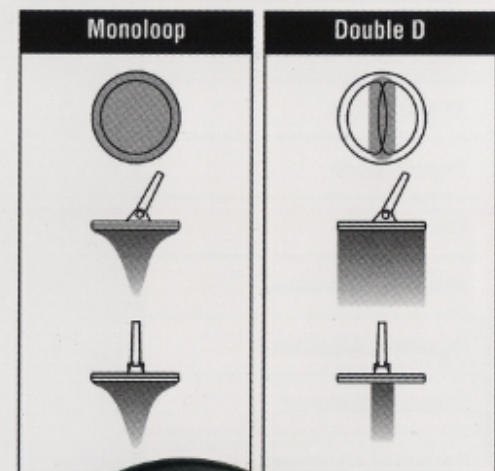
### Very Low Frequency (VLF)

VLF technology is the traditional transmission frequency of detectors; from 3kHz to 50kHz. Minelab makes detectors that operate higher than 50kHz and lower than 3kHz, so you get greater depth, sensitivity and performance in whatever type of detecting you plan to do.

you the ability to ignore unwanted objects like iron, steel, pull-tabs etc, while detecting for valuable items made from metals like silver, gold, brass or copper.

### Coils

The coil sends an electro-magnetic field into the ground and receives a response that is interpreted by the control box. The size of the coil can affect the depth a target can be detected, or the sensitivity to that target. Coils may have different search patterns, depending on how they are made. Minelab uses two coil types; Double-D and Monoloop which give the greatest detection coverage, depth and highest level of overall performance. By changing the size or design of coil, the detector can become more versatile for changing conditions.





# CHOOSING THE BEST METAL DETECTOR

## HOW TO CHOOSE THE BEST METAL DETECTOR FOR YOUR NEEDS

Metal detecting can be divided into two main areas, gold prospecting and coin and treasure hunting, with a sub-division of this being underwater detecting. To get the best detector for your needs you will firstly have to decide which area most appeals to you. If you are able to decide on one type or the other, you will be able to buy a highly specialized detector, specially designed with the features you need.

If you plan to go gold prospecting and search for coins and relics with the one detector then you must choose carefully as coin detectors have difficulty with the minerals found in the gold fields. Like wise gold detectors will not discriminate as accurately as coin & treasure detectors can, if at all. There is a trade off of performance and features and your choice of metal detector should lean towards the area of detecting that you intend to spend most of your time.

Since its inception, Minelab has made tremendous advances in metal detector technology. With the use of micro-processors and high-tech surface mount circuitry, Minelab metal detectors have evolved with greater depth, improved sensitivity, automatic ground balance and superior discrimination. Over the past few years, Minelab has been the most innovative manufacturer with the invention of a number of new technologies. The two most outstanding are the invention of "multi-period sensing" (MPS) as used in the SD & GP series. The huge advantage with MPS technology is that it can search far deeper than any other metal detector while still having the sensitivity to equal the best of the high frequency detectors. The other revolutionary technology, used in the Explorer series is the SmartFind™ discrimination which opens up a whole new world of accurately identifying targets.

When comparing the different metal detectors to determine which to buy, there are four main characteristics, which can be used to categorize how one detector compares with another. These are Depth, Sensitivity, Discrimination, and Ground Balance. Other factors that should be considered are the size and type of coils that are available, what batteries are used, how long they last and of course the price of the detector.

We have prepared this short explanation to try to simplify some of the terminology used by manufacturers with their descriptions so you can better understand some of the differences.

## DEPTH

This refers to the distance that the metal detector can penetrate and detect metal objects into the ground. This can be influenced by the frequency the metal detector is operating on (low frequency tends to give better depth than high frequency and vice-versa), how sophisticated it's circuitry is and how well it will cope with highly mineralized soil. Often some metal detectors produce extraordinary depths in air but are disappointing when used in the field.

Minelab's BBS & FBS technology scans in multiple frequencies to give depth and sensitivity. If gold prospecting in mineralized soils, the MPS technology which pulses in different frequencies and band widths are the most versatile of all.

## SENSITIVITY

This is also determined by the frequency of the detector. Depth on larger targets often suffers when a detector is only searching in high frequency. The Minelab Explorer, Quattro and Sovereign operate in a wide range of frequencies at the same time maintaining sensitivity and depth.

## DISCRIMINATION

This is the function some metal detectors have that enables the operator to determine what type of metal has been detected before digging it up. This is a great time saver for treasure hunters with some discrimination systems being highly accurate. Notch discrimination enables the operator to cancel out some unwanted metals without canceling out everything below the level of discrimination being used and SmartFind™ is extremely accurate at identifying targets and eliminating the unwanted items. Discrimination is not advised when using the metal detector to search for native gold nuggets, as the impurities in gold and the concentrated minerals in the soil around the nugget will confuse the discriminator and may produce a false reading. For this reason a lot of metal detectors manufactured specifically for gold prospecting have limited discrimination ability.

## GROUND BALANCE

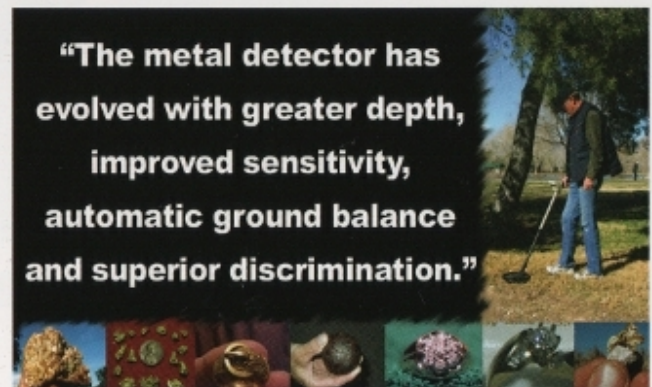
For gold prospecting, this is probably the most important function on the metal detector and often the one that is overlooked when comparing capabilities of each metal detector. Ground balancing is setting the metal detector so that it can compensate for the effect the minerals in the ground have on the machine. This allows it to scan the ground and only give a signal when it passes over a metal object. If this is not done properly the metal detector will produce false noises from the ground itself and you will find it very difficult to tell the difference between ground noise and a metal target.

All metal detectors come with ground balance of some sort, some can be manually adjusted, some are factory pre-set and some are true automatic. The metal detectors with automatic ground balance excel in highly mineralized soil areas, as their ability to test the ground and compensate every few seconds make them so much easier to use and more efficient.

## CONCLUSION

In conclusion we would recommend that you consider the main purpose that you want the metal detector for, i.e. gold prospecting or coin and relic hunting and then consider what each machine has to offer for that purpose, and the types of functions important to you.

Ultimately, the choice is yours and we hope this information assists you in choosing the right detector for your needs. Please feel free to contact us for advice or further information on any detector you have questions about.



**"The metal detector has evolved with greater depth, improved sensitivity, automatic ground balance and superior discrimination."**



# EXPLORER SE

## Features\*

- 28 Frequency Full Band Spectrum™ (FBS) Technology
- Transmit Frequency 1.5-100 kHz
- Length 55" / Long Shaft Optional
- Exceptional Depth
- Target Profiling with Patented SmartFind™
- Variable Tone ID for Targets
- Target Depth Indicator
- Simple Push Button Menu Control
- Easy to Use Quickstart Program
- Lightweight, Super Strength Carbon Fiber Lower Shaft
- High Impact Resistant Armrest
- Longer Life NiMH Rechargeable Battery System, 9.6V, 1600 mAh
- Rear Mounted, All-metal Detector Stand
- Custom-built headphones by Koss, the world's leading headphone manufacturer.

Plus

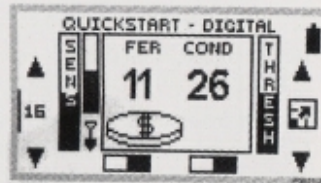
- Fast and more efficient 3rd generation Explorer SE software featuring:
  - New Dual Co-ordinate Ferrous/Conductivity Digital Display



SmartFind™ 2-Dimensional discrimination display is a high precision, easy to understand graphic representation of target ID.

1. Display screen
2. Power button
3. Main Menu button
4. Shortcut buttons
5. Back button
6. Backlight button
7. Shift buttons

With its 28 operating frequencies, the Explorer SE is acknowledged as the most powerful coin and treasure detector ever conceived. For those of you who simply demand the BEST.



The Explorer SE shows the two properties of the target so you can see the difference between targets that have the same conductivity allowing you to separate the junk from the treasure.

## Testimonials

### Burton Hoard

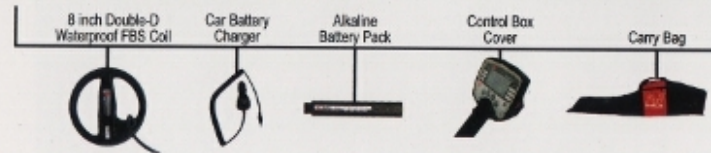
"The Burton Hoard was unearthed during three magical weekends in January 2004. The finders were; William May, Joseph Perry and Peter Skelly who live in Liverpool and are members of the "South Lanc's and Cheshire Metal Detecting Club."

"This was truly the find of a lifetime! Almost as far back as metal detectorists can reach in time. Not even in our wildest dreams could we have anticipated making a find of this significance, of this importance; fourteen ancient objects dating back 3,300 years to the Middle Bronze Age (1,300BC to 1,100BC) ten of the artifacts being of almost pure Gold; a beautiful twisted bar Torc necklace an amazing twisted wire bracelet, a stunning composite pendant, three conical beads, three rings, a round bead, two palstave axes, a chisel and part of the ceramic pot base."

"We are also very proud of our Minelab Metal detectors which performed superbly in locating the treasure. We also tried another make of detector which unfortunately seemed to ignore the pure gold items as all ten gold artifacts were found by our Minelab Explorers!! Thank you Minelab."



## Optional Accessories





# QUATTRO MP

## Features\*

- 28 Frequency Full Band Spectrum™ (FBS) Technology
- Impressive Depth
- Four Channels of Signal Processing
- Digital Display and Target ID
- Four Preset Programs: Coin/Jewelry, Relic and All Metal
- Comprehensive Linear Discrimination Scale (-10 to 40)
- 51 Accept/Reject Target Selections
- Four User Save Discrimination Patterns
- One Touch Auto Noise Cancel
- Hi/Low Trash Density Select
- Audio and Visual Pinpoint
- Target Depth Meter
- 10.5" Open Web DD Search Coil
- Sensitivity Adjust (automatic or manual)
- Threshold Adjust
- Volume Adjust
- Screen Contrast Adjust



QUATTRO MP

Powered with 28 frequency, Full Band Spectrum™ (FBS) technology, the Quattro MP features the easiest, most intuitive digital user interface available on the market today. It has been conceived for those of you who want SIMPLICITY with "BEST in CLASS" performance.

The Minelab Quattro has set a new performance standard for switch on and go machines. It's depth, push-button simplicity, discrimination capabilities and versatility has quickly earned a reputation even among seasoned detectorists. Whether using it for park hunting, at the beach, on old civil war sites, or even old mining camps, the Quattro MP has the power to find you Treasure.



The Quattro MP front panel is so intuitive and easy to use, that you will hardly need to open the operating manual to understand how to use the machine. The four separate hunting programs have been designed by Pro's to give you the best settings for that style of hunting.

With multi-frequency Full Band Spectrum™ technology, the Quattro MP is ready to go in all ground conditions, even salt water beaches. The Quattro's digital target ID is ready to deliver deep, accurate information on the targets you're looking for.

## Testimonials

### D. Kendall

"I own a Quattro and am most impressed by its versatility, ease of use and encompassing performance. Using the four programmed search modes is great fun and the ability to check signals in ferrous mode is quick and easy. Time spent on the beach and fields was a great help in unraveling the many attributes of the Quattro. I constantly find coins at over ten inches deep and the Quattro has produced many rings and even a Papal Bulla of Pope John XXI (1314-34) Thank you Minelab for producing a superb detector that is easy to use and very powerful."

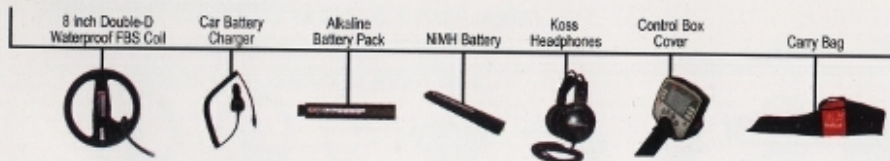
### P. Fakkert

"After reading good reviews about the new Quattro MP I decided to sell my green detector and buy a better and more advanced one, it was exactly as they had told me, press 'on', press one of the preset modes, press 'noise cancel' and GO! I was searching in an area with a lot of 12th to 18th century pottery fragments and it took about 30 minutes to find the first coin. It was a 17th. century copper coin. A nice start!

The best was yet to come. Gold finds are very rare in these fields and they say you will only find gold once every seven years in the Netherlands. Well, it took me exactly 70 minutes. I got a signal that read "17" and "gold" on the display and at 10" I found an 8 karat gold ring with a red stone in it. The ring still has to be cleaned but that's because I cannot wait to go back to the site. I'm sure it won't take another seven years to find a gold coin or ring again!"



## Optional Accessories



\*Standard and Optional accessories listed will vary by region, state, country and model. Please consult with your local Minelab dealer for complete details.



# SOVEREIGN GT

## Features\*

- 17 Frequency Broad Band Spectrum™ (BBS) Technology - gives you excellent depth along with good sensitivity and improved target identification
- 10" Submersible Coil - gives you great ground coverage, excellent depth and accurate pin-pointing
- Accu-Trak™ Digital Ground Balance with Selectable Fixed and Automatic Tracking options - a truly versatile machine. Whether you're in the park, at the beach or combing a goldfield, the Sovereign GT is ready to go anywhere you want to take it
- Ground Tracking All-Metal Mode
- Iron Mask Mode - allows you to find the targets lying close to ferrous metals or you can turn it off and run in Silent Search for ultra quiet operation
- Silent Search/Threshold Switch
- Two-Band Noise Cancel Switch - for hunting with a friend or using in a suburban area close to sources of interference
- Discrimination and Notch Filtering - an excellent junk eliminator



Sovereign GT,  
'S' bend shaft  
(UK/Europe) only.

The Sovereign GT discriminates between good targets and unwanted trash with astonishing depth and can be used from the park or building site to the sandy beach or the gold field.

The Sovereign GT is for those of you who want outstanding performance in a traditional "switch and knob" package.

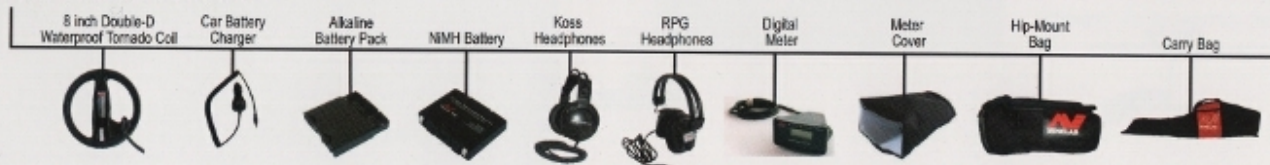


ACCU-TRAK™ Ground Tracking gives you more depth!



Minelab's BBS Technology automatically transmits 17 separate frequencies over a range from 1.5 kHz to 25.5 kHz. This means you have more depth, greater sensitivity and more accurate discrimination.

## Optional Accessories



\*Standard and Optional accessories listed will vary by region, state, country and model. Please consult with your local Minelab dealer for complete details.



# MUSKETEER ADVANTAGE PRO

## Features\*

- 5kHz VLF Single Frequency Technology
- Improved Balance with New Slimline Coil
- Quick Release Rugged Control Box
- High Gain Sensitivity Control
- Sharp Target Response
- Precision Adjustable Ground Balance (fixed or manual)
- Pinpoint/Non-Motion Mode
- Threshold Reset Switch

Plus

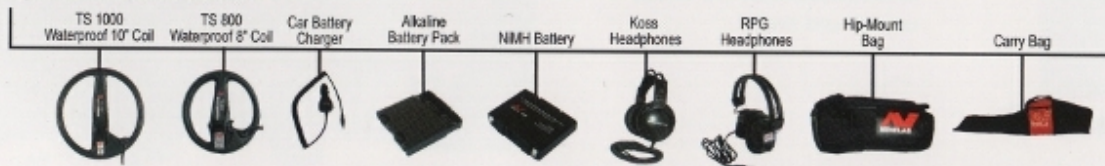
- Also comes equipped with:
  - Protective Skid Plate for the coil
  - Extra Comfortable Arm Rest Cover
  - Detector Stand
- Available with your choice of an 8" or 10" Fully Submersible, Waterproof Coil
- Available with NiMH rechargeable Battery Packs and Charger

The Musketeer Advantage is the best performing detector in its class. Having superior depth, fast target response and great sensitivity enables you to find targets well beyond the reach of similarly priced detectors. The dedicated power of this machine will amaze even the most seasoned detectorist.



The Musketeer Advantage is a great, versatile detector that will suit all the family. Set to operate in a very low 5kHz frequency, the Musketeer is a real performer with depth that other detectors in this price range can only envy. The Musketeer Advantage is a great machine for relic hunting due to its sensitivity to large ferrous targets. In addition, its discriminator works wonders at eliminating trash when you are coin and treasure hunting.

## Optional Accessories



\*Standard and Optional accessories listed will vary by region, state, country and model. Please consult with your local Minelab dealer for complete details.

## Testimonials



### Randy H.

I have been an avid coin shooter since my brother first introduced me to metal detecting, back in 1973. During these past 32 years, I have owned many makes and models of detectors. But I always kept my eye out for a "turn and go" machine that was lightweight, well balanced, and offered unmatched depth of detection, excellent discrimination characteristics and exceptional target separation. Over the years, I tried several that claimed to offer "break through" technology. But most of those that discriminated well seemed to fall short on depth of detection and target separation. That is until the Minelab Musketeer Advantage came along. When I read the early Field Test reports about the Advantage, I have to admit that I found it hard to believe a single frequency machine could offer all that was being touted. But, I bought one and, within the first few outings, I knew that Minelab had a winner with the Advantage.

My favorite hunting sites are long-forgotten places where people gathered 100 years ago. In addition to not having to sort through modern day trash, I would rather find a few century old coins than a handful of clad. After purchasing the Advantage, I revisited many of the places I thought I had already hunted out with my other detectors. Using the Advantage, I was able to find lots of old coins and jewelry. My brother was so impressed with the results I was achieving with my Advantage, he bought one too. Since then, we have both found hundreds of coins that had gone undetected in the past, at depths I never thought possible. We have dug coins as deep as ten inches, ranging in size from a small silver 3-cent piece to large Morgan Silver dollars. Seated Liberties, Barbers, Shield nickels and Indian cents. All found with our Advantages and again, found in places that had been hunted many times in the past. Plainly stated, I believe the Minelab Advantage offers more "bang for the buck" than any other detector currently on the market. Take it from a serious coin shooter. If those old coins are out there, you can find them with the Advantage.



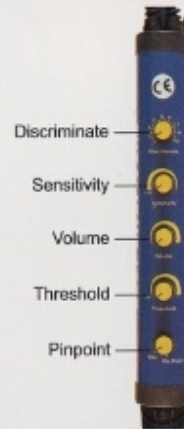
# EXCALIBUR

## Features\*

- 17 Frequency, Broad Band Spectrum (BBS) Technology
- Submersible up to 200 Feet
- All Metal (Pinpoint) Mode
- Automatic Ground Balancing
- Rechargeable Battery Pack
- Discrimination Mode
- Sensitivity Adjust
- Full-Length & Short Diving Shafts

Plus

- Unique Ground Balancing capability (BBS technology) - Makes it ideal for difficult beach and wet sand conditions. With automatic ground balancing, moving from dry to wet sand is made seamless. Whether you're working the beach, wading or diving 200 feet for treasures, the Excalibur will perform every time
- Choose from two models:
  - Excalibur 1000 - with a 10" BBS waterproof coil for better coverage
  - Excalibur 800 - with a 8" BBS waterproof coil for better trash separation
- Rechargeable Battery Pack - Detaches from the control box allowing easy access for charging



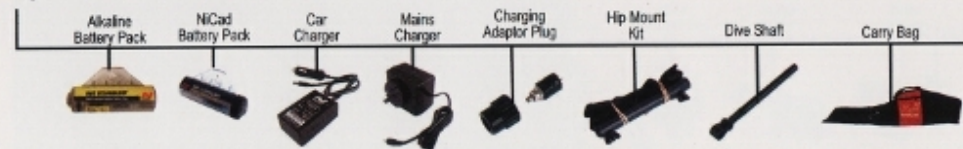
Two Operating Modes - Switch into discriminate to eliminate unwanted trash targets or switch to pinpoint for detecting in all metals.

Quite simply, the Excalibur is unbeatable on the beach and underwater with its BBS, 17 frequency technology.

Excalibur, the best dedicated beach and underwater machine on the market today!

The DD coil provides accurate ground coverage which helps in locating the valuable target concentrations on any beach quickly and easily!

## Optional Accessories



## Testimonials

### Francois C.

I have been a Minelab customer since Oct 96, first with the Sovereign then the Excalibur. I have found more than 300 gold rings. I love BBS technology because it saves time and energy: the outstanding discrimination enables me to tell by the sound, if the target is worth digging or not. You can even tell WHICH coin it is, or if it is GOLD.



### Raymond B.

"I found most of these rings with the Excalibur 800. I think it's a fantastic machine, the best in the world."





# GP-SERIES

## Features\*

- Dual Voltage Technology™ (DVT)
- Improved Third Generation Ground Balance Software
- Three Speed Tracking - FAST, MEDIUM AND SLOW modes
- Quick-Trak™ Remote Ground Balance Push Button
- Manual Frequency Band Adjustment
- Lighter Weight, Improved Performance 11" DD Search Coil
- Optimized PRE-SET Level Adjust in Each Tracking Speed
- Patented Ultra Low Noise On-Board Circuitry
- Auto Noise Cancel
- Switchable Monoloop and DD Coil Settings
- Signal Boost Mode Selectable to Deep, Normal and Shallow
- All-Metal Mode or Adjustable Iron Discrimination

**Plus**

- Maximum Response and Sensitivity - select the tracking speed that's right for your ground conditions. Slow/Medium/Fast tracking speeds allow you to customize your GP detector for optimal performance in all soil types.
- More Depth - spend more time detecting in fixed mode giving you greater depth with immediate access to ground balance at your finger tips.
- More Target Signals - Switch from 'Tracking' to 'Fixed' instantly for super accurate signal identification without balancing out those faint signals, plus, you'll have easy and instant access to pinpoint.

## Optional Accessories



*Simply the world's most advanced and powerful Gold Detector ever!*

## Dual Voltage Technology™ (DVT)

### What is DVT?

DVT refers to changes in the voltage used to create the electro-magnetic field transmitted from the coil into the ground. By using two different voltages (DVT) the possibility of magnetic saturation of the ground is lessened. Thus, detectors using DVT have an increased ability to balance out ground mineralization providing increased depth and greater sensitivity compared to other detectors.

Choose from a wide range of suitable Minelab coils which will add versatility to your detector (see page 14 for more details).

### "Quick-Trak" Remote

The Multi-function Quick-Trak™ push button instantly allows the operator to quickly and easily switch from tracking to fixed mode maintaining super accurate signal identification without balancing out those faint signals. Plus easy and instant access to pinpointing.

## Testimonials

### Rhetta A.

**20 Years of Nugget Hunting but nothing like this!**

I decided to hunt an area that always looked good to me, but I never got around to it. With the hot days of Arizona's desert summer fast approaching, I finally decided to give it a try. With the first signal from my new Minelab GP3500 I dug a lead bullet. This at least told me my detector was functioning correctly. Some 30 feet further down the wash I received a strong signal. It must be a beer or soda pop can to give such a signal.

After digging and rechecking the hole three times, nope, it weren't no aluminum can. The nugget was over five ounces with quartz and quartz crystals attached at the core of the nugget. Most of this I was not able to appreciate as it was getting dark and I needed more light to inspect it more closely. I placed the nugget in my pocket and proceeded further down the ravine. After finding two spent cartridges, I found a 7 gram nugget only two inches below the surface. I was in high cotton. I couldn't believe my luck! Final count

for my first evening was six nuggets. The only way I could go to my truck and head for home was to shut off my Minelab and walk straight to my vehicle as it was pitch dark. I knew that if I detected on my way back I would be there all night detecting in Braille.

Morning could not come fast enough as I lay awake waiting for first light to arrive.

My second day produced twelve more nuggets, the largest being one ounce. One nugget is an octahedral nugget weighing 15.2 grams. It has several eight sided square formations and is made up of all gold. I have had several offers for the sale of this piece, but I will keep it for now.



# SD2100V2 - SD2200V2

## Features\*

- Multi-Period Sensing™ (MPS) Technology
- Manual Ground Balance
- Channel Switch
- Threshold Adjustment
- Manual Noise Cancel
- Tone Control



## Features\*

- Multi-Period Sensing™ (MPS) Technology
- Automatic Ground Tracking
- Discrimination
- All Metal Mode
- Tone Control
- Audio Boost
- Automatic Tune Control
- Threshold Adjustment



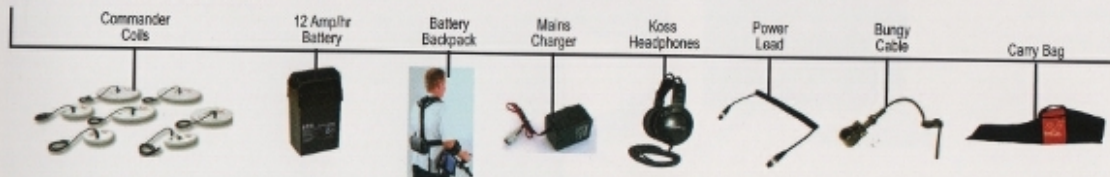
Have You Tried the  
SD Series on the  
beach?  
They go DEEP!

Multi-Period Sensing (MPS) gives you depth, sensitivity and reliability in two of the world's most sophisticated and powerful detectors. For those of you who want high performance in a rock solid package.

Both SD models are similar in their performance, but the SD 2200v2 has the added advantage of Automatic Ground Balance, Discrimination and Automatic Noise Cancel. Both models are designed to be sophisticated and easy to use.

Call today to see which one best fits your metal detecting needs!

## Optional Accessories



Choose from a wide range of suitable Minelab coils which will add versatility to your detector (see page 14 for more details).

## Testimonials

### J. Wright

"I must say the simplicity of this new SD 2200 makes it a dream to use, switch it on, balance and go. How simple can you get!"

### G. Pryce

"We decided to purchase the SD 2200 and after instructions on how to use it, we set off on holidays. The second day we found a 16 gram nugget and nearly died of shock. Boy were we pleased with ourselves."

### P. Masanja

"I purchased my first metal detector in June 2001 and it was an SD 2200D from Minelab. My trust is on Minelab machines. The largest piece of gold that I recovered weighed 1230 grams. From day one of using Minelab metal detectors, my financial status changed very much."

### R. Brown

"Thanks to Minelab for designing the 2200. We shifted from South Aust to Victoria last year, as we got the gold bug and are very happy living here amongst the gold diggings with our Minelab."



\*Standard and Optional accessories listed will vary by region, state, country and model. Please consult with your local Minelab dealer for complete details.



# EUREKA GOLD

## Features

- Exclusive Triple Frequency Operation with Switchable 6.4, 20, or 60 kHz!
- ACCU-TRAK™ DIGITAL Ground Balancing with 2 speed adjustable or fixed modes.
- Iron Rejection in each frequency.
- Variable Discrimination Control for ultimate accuracy.
- Full Coverage with Minelab's 10" Double-D "Easysweep" Elliptical Coil System.
- New Rugged Metal Armrest and Stabilizer Strap.
- New "FIRM FEEL" Comfort Balance Shaft.
- State-of-the-Art NiMH Rechargeable Battery System.
- 2 Position Box Mounting System.



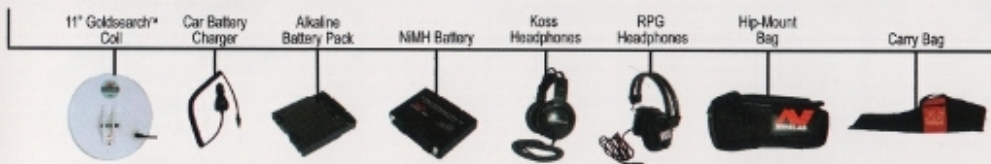
Eureka GOLD™

THE WORLD'S ONLY  
VLF DETECTOR TO GIVE YOU THE  
VERSATILITY AND POWER OF 3  
SWITCHABLE FREQUENCIES...  
for those of you who want solid  
performance in a mid-range detector!



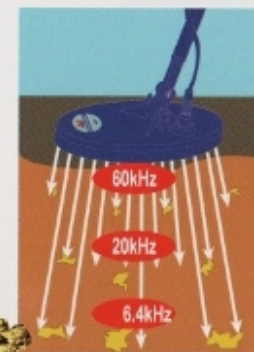
ACCU-TRAK™ Ground Tracking gives you more depth!

## Optional Accessories



\*Standard and Optional accessories listed will vary by region, state, country and model. Please consult with your local Minelab dealer for complete details.

## Triple Frequency VLF™ Technology



VLF technology is the traditional transmission frequency of detectors; from 6.4 kHz for maximum depth, 20kHz for general detecting and super sensitive 60kHz to find the smallest gold nuggets. Minelab's exclusive triple frequency technology allows you to target different size nuggets at different depths, making it the hottest VLF detector on the market!!

## Testimonials

### M. Keirle

"Since using the Minelab Eureka Gold, I have been amazed at the amount of gold I've picked up at popular detecting spots. It has surprising depth capabilities which I was pleased to find, and with a reliable discriminator I can cover much more ground to dig those golden holes. The 60kHz frequency is deadly on those smaller nuggets the bigger machines leave behind. Lucky for me I'm not fussy, I'll take the big and the small, and if the bigger nuggets are there the Eureka will more than accommodate for them too.

This is a very easy machine to operate, even for a "Mug" like me. Automatic ground balance and triple frequency modes at your fingertips makes it a breeze."

Thank you Minelab.





# COILS & ACCESSORIES

Choose from our large selection of quality accessories all designed to enhance your treasure finding experience.

## Explorer SE & Quattro

### Coils and Coil Covers

- 8" FBS Coil w/Lower Shaft
- 10" FBS Coil, w/o Lower Shaft
- 8" FBS Coil Cover
- 10" FBS Coil Cover

### Battery Accessories

- NiMH Battery, 1600mah
- NiMH Battery, 1800mah
- VANSON NiMH Charger
- VANSON 1600 mah NiMH Batteries
- Alkaline Battery Holder
- Mains Charger NiMH (240/230/110v)
- 12V NiMH Car Charger

### Shaft Accessories

- Upper Shaft Assembly
- Lower Shaft Assembly
- Armrest Cup
- Armrest Strap w/Buckle
- Tall man Lower Shaft

### Headphones

- Koss UR30 Headphones

### Misc. Accessories

- Carry Bag
- Control Box Cover
- Nut and Bolt
- Washer, Coil
- Explorer VHS Cassette Training Video
- Explorer SE DVD Training Video

## Sovereign GT

### Coils and Coil Covers

- 8" Slimline Tornado Coil
- 10" Slimline Tornado Coil
- 8" All Terrain Coil Cover
- 10" All Terrain Coil Cover

### Battery Accessories

- Sov GT NiMH Battery Pack
- Alkaline Battery Pack
- Mains Charger NiMH (240/230/110v)
- 12V NiMH Car Charger

### Shaft Accessories

- Complete "S-Bend" Shaft
- Straight Upper Shaft
- Straight Handle Assembly
- Armrest
- Armrest Cover Neoprene
- Complete Armrest Kit
- Armrest Strap
- Hand Grip Foam
- Hipmount Bag

### Headphones

- Koss UR30 Headphones
- RPG Headphones

### Misc. Accessories

- NEW Recalibrated Digital Meter
- Carry Bag
- Meter Cover
- Nut and Bolt
- Teardrop Washer

## Musketeer Advantage

### Coils and Coil Covers

- 8" Slimline Treasure Search Coil
- 10" Slimline Treasure Search Coil
- 8" All Terrain Coil Cover
- 10" All Terrain Coil Cover

### Battery Accessories

- NiMH Battery Pack
- Alkaline Battery Pack
- Mains Charger NiMH (240/230/110v)
- 12V NiMH Car Charger

### Shaft Accessories

- Complete "S-Bend" Shaft
- Lower Fibre Glass Shaft
- Complete Armrest Kit  
Includes: Armrest, Cover, Nut/Bolt, Stand, Strap, Bracket
- Armrest Cover
- Hand Grip Foam

### Headphones

- RPG Headphones
- Koss UR30 Headphones

### Misc. Accessories

- Carry Bag
- Hipmount Bag
- Nut and Bolt
- Teardrop Washer

## Eureka Gold

### Coils and Coil Covers

- 8" Round Goldsearch Coil
- 10" Elliptical Goldsearch Coil
- 11" Round Goldsearch Coil
- 8" Round Coil Cover
- 10" Elliptical Coil Cover
- 11" Round Coil Cover

### Battery Accessories

- NiMH Battery Pack
- Alkaline Battery Pack
- Mains Charger NiMH (240/230/110v)
- 12V NiMH Car Charger

### Shaft Accessories

- Upper Shaft, Single Piece
- Lower Fibre Glass Shaft
- Complete Armrest Kit  
Includes: Armrest, Cover, Nut/Bolt, Stand, Strap, Bracket
- Armrest
- Armrest Strap
- Armrest Cover, Neoprene

### Headphones

- RPG Headphones
- Koss UR30 Headphones

### Misc. Accessories

- Carry Bag
- Hipmount Bag
- Nut and Bolt
- Teardrop Washer

## GP and SD Series

### Coils and Coil Covers

- 8" Round Mono Commander
- 10" Elliptical DD Commander
- 11" Round Mono Commander
- 15" Elliptical Mono Commander
- 15" Elliptical DD Commander
- 18" Round Mono Commander
- 18" Round DD Commander
- 11" GP Series DD Coil
- 10" Elliptical Coil Cover
- 15" Elliptical Coil Cover
- 8" Round Coil Cover
- 11" Round Coil Cover
- 18" Round Coil Cover

### Battery Accessories

- 6V Gel Cell 4.5 A/Hr Power Pack
- 6V Gel Cell 12 A/Hr Power Pack
- Mains Charger (240/230 or 110v)
- 12V Gel Cell Car Charger
- Curly Cord Power Cable
- 4.5 A/Hr Battery Pouch
- 15 A/Hr Battery Bag & Harness

### Shaft Accessories

- Upper Shaft
- Lower Fibre Glass Shaft
- Handle Assembly
- Armrest
- Armrest Cover, Neoprene
- Armrest Strap
- Complete Armrest Kit  
Includes: Armrest, Cover, Nut/Bolt, Stand, Strap, Bracket
- Bungy Strap

### Headphones

- RPG Headphones
- Koss UR30 Headphones

## GP and SD Series

### Misc. Accessories

- Carry Bag
- Nut and Bolt
- Teardrop Washer
- GP3000 VHS Cassette Training Video
- GP3000 DVD Training Video

## Excalibur 800 or 1000

### Coils and Coil Covers

- 8" All Terrain Coil Cover
- 10" All Terrain Coil Cover

### Battery Accessories

- Nicad Battery Pod Complete (800/1000)
- Alkaline Battery Pod
- Mains Charger NiMH (240/230/110v)
- 12V Nicad Car Charger
- Nicad Battery Charger Adaptor

### Shaft Accessories

- Complete "S-Bend" Shaft, Blue
- Small Diving Shaft
- Lower Fibre Glass Shaft
- Armrest - Plastic
- Hipmount Kit

### Misc. Accessories

- Carry Bag
- Nut and Bolt
- Teardrop Washer



Car Charger



Mains Charger



8" FBS Coil  
(Explorer/Quattro)



Explorer/Quattro  
Control Box  
Cover



Carry Bag



Hip Mount Bag



Explorer/Quattro NiMH Battery



Battery Harness for GP/SD Series



KOSS  
Headphones



RPG  
Headphones



# COMMANDER COILS

New premium high performance coils exclusively designed for Minelab GP and SD series detectors!

## Choosing the right coil for the job



There are five main things that you should consider when deciding which coil is best for your terrain and target.

- **Coil Size & Depth** – A larger coil will typically find targets hidden deeper in the ground, but they can be less sensitive to smaller targets. A smaller coil is typically more sensitive to small targets, but does not go as deep as a larger coil.
- **Mineralization** – A Monoloop coil will often have improved performance over a Double D coil but can be more difficult to ground balance and therefore possibly more noisy. A Double D coil is often more stable in heavily mineralized areas.
- **Terrain & Vegetation** – A larger coil requires more open ground whereas a smaller coil can be easier to guide in tight bush or rough terrain. Obviously a smaller coil is also lighter weight than a larger coil.
- **Discrimination** – In areas where discrimination is required, a Double D coil will provide a more accurate ID. In high trash concentrations, a smaller coil is preferable.
- **Search Pattern** – A Double D coil will typically provide a 'blade-like' detection pattern from the toe to the heel of the coil, which gives excellent ground coverage. A Monoloop coil has a detection field that is typically cone shaped, which requires overlapping of sweeps to ensure thorough ground coverage.

Commander Coils are designed to help you get the most out of your GP series and SD series detectors

	Small Shallow Nugget	Large Deep Nugget	Highly Mineralized	Less Mineralized	Open Ground	Heavy Scrub	Iron Disc.
8" Round Monoloop	●			●		●	
10" Elliptical Double D	●		●			●	●
11" Round Monoloop	●	●		●	●	●	
15" Elliptical Double D		●	●		●		●
15" Elliptical Monoloop	●	●		●	●		
18" Round Double D		●	●		●		●
18" Round Monoloop		●		●	●		

**15" x 12" Semi-Elliptical Double D** - Greater depth and more ground coverage than the 11" DD. It provides stable operation in all soils. This is a great coil for all-round use in highly variable soils and a lighter, more maneuverable alternative to the 18" DD when seeking out large nuggets in heavy mineralization. Its semi-elliptical design provides impressive sensitivity for its size.



**15" x 12" Semi-Elliptical Monoloop** - On larger nuggets this coil has better depth than the 11" Monoloop and the 15x12" DD, and it is very sensitive for its size. It is great for searching open areas for new patches and when seeking out deeper nuggets in areas that are too vegetated to allow effective use of the 18" monoloop. It is an extremely stable coil which runs smooth in all but the worst soil conditions. This coil will become a favorite for many operators.

**10" x 5" Elliptical Double D** - This is the coil that every prospector should carry because of its endless versatility. Great in thick scrub, heavy mineralization and high trash; it has superb sensitivity and surprising depth for such a small coil. It is also great for pinpointing deep targets found with one of the larger coils and is extremely stable in all soils.



**8" Round Monoloop** - The most sensitive of the Commanders, the 8" round provides the best depth on sub-gram nuggets in light to moderately mineralized soils. A popular coil for use on old diggings, it is also a great coil for detecting in heavy vegetation.

**11" Round Monoloop** - A lighter, more sensitive and deeper seeking coil compared to its Double D brother, the 11" Monoloop is a brilliant coil for almost any situation. The 2<sup>nd</sup> most sensitive Commander monoloop, it is also one of the most stable monoloop coils available and will provide a smooth threshold in most soil types.



**18" Round Monoloop** - Superb depth and high sensitivity in low to medium mineralization. This coil will find targets in heavily worked areas where other operators have given up.

**18" Double D** - A serious coil for the serious operator! The 18" DD punches deep through heavy mineralization, while running smooth to allow you to hear those mellow, deep nugget responses.





## CUSTOMER SERVICE CENTERS:

Australia	1 800 637 786
Brazil	212 5562 3571693
Belarus	375 17 2722222
Bulgaria	359 54 802858
Canada	1 888 801 6222
Cyprus	357 99 471208
Czech Republic	420 251561873
Finland (Narpes)	358 6 2243 590
Finland (Vammala)	358 3 5141788
France	33 1 4307 5502
Germany	49 8131 86599
Ghana	233 21 769726
Greece	30 21 09844563
Hong Kong	852 25420282
Ireland	353 23 52101
Italy	39 0544 965 378
Korea	822 8616020
Latvia	371 7501469
Mongolia	976 11 458419
Netherlands	31 53 4300 512
New Zealand (Nth Island)	9 576 8000
New Zealand (Sth Island)	3 3662828
Norway	47 69 880679
Papua New Guinea	675 3236052
Poland	48 22 829 84 80
Portugal	351 289 817 429
Russia	7 952 354 207
Slovakia	421 905 451 369
South Africa	27 11 887 4213
Spain	34 91 388 6782
Suriname	597 426 534
Sweden	46 383 460110
Taiwan	886 2 25045333
Tanzania	255 744 297408
Turkey	90 212 288 5866
UAE/Iran	97 14 2731677
Ukraine	38044 4869328
United Kingdom	44 1959 574 234
United States	1 888 517 2066
Venezuela	58 286 9233560
Zimbabwe	263 88528



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