



COMPASS ELECTRONICS PRESENTS:

*The Most Advanced
Metal Detector
Ever Built!*

COIN MAGNUM!
V.L.F. Ground Eliminating Discriminator

Detects Valuables as Deep in Discrimination

THE WORLD'S MOST ADVANCED METAL DETECTOR!

REVOLUTIONARY NEW PATENT-PENDING LOOP DESIGN

Compass engineers have designed a high performance Tri-Planar (patent pending) loop specifically for the Coin Magnum. Entirely new in concept, it provides sharp response and better pinpointing of objects. Same Faraday Shielded design in 8" or 12" loops.

OTHER FEATURES INCLUDE:

- Toggle Switch for instant Audio Non-Discriminate/Discriminate mode selection
- Speaker Tilt Disconnect Switch - save on batteries and eliminates bothersome noise while digging.
- On/Off Volume Level Control
- Insulated Loop Rod for greater depth
- Headset Input
- Lightweight
- Low current drain designed for exceptional battery life
- Operates from 3 packs of four 1½V AA cells. Also available - Compass' optional rechargeable batteries and fast charger.

AN ENTIRELY NEW CONCEPT IN METAL DETECTORS!

- Gives full Treasure depth in Standard and Discriminate modes
- Eliminates ground in Discrimination
- Discriminates against bottle caps and other trash while in pull tab discrimination
- No need for tiresome fast sweeping while discriminating (discriminates at normal sweeping speeds)
- No need to awkwardly jerk loop from target while discriminating
- Meter Discriminates while Audio is not Discriminating
- Pinpoints objects in Discrimination

COIN MAGNUM

GROUND ELIMINATOR

ELIMINATES GROUND EFFECT

DETECTS NON-S

MOST RINGS IN I

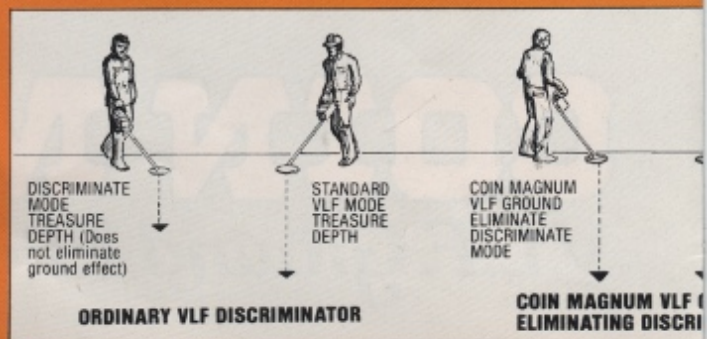
TOTALLY REDESIGNED CONTROL! Push Button dependent of Manual Turn switching from Non-Discriminate mode SUPER FAST, RUBBER trigger, instant return with Compass' fall-

COIN MAGNUM — CHOICE OF THE RELIC HUNTERS!



Relic and artifact hunters are making fantastic finds using VLF detectors in areas previously searched with standard detectors . . . this time, with fantastic results and tremendous efficiency! Time lost digging for junk items in the past is being saved and used much more efficiently in effective coverage of areas thought to be "worked out". The Coin Magnum slides right past junk nails and trash even in highly mineralized ground. Time lost previously in endless digging of junk is now spent uncovering relics and coins thought to be lost forever!

SEE FOR YOURSELF! TAKE THE COMPASS COIN MAGNUM CHALLENGE AT YOUR DEALER'S TODAY!



tion as other VLF's in Non-Discriminate!

COIN MAGNUM!

ELIMINATING VLF DISCRIMINATOR

in Discriminate as Well as Non-Discriminate!

SURFACE NICKELS (Deeper than Two Inches in Most Soils) AND PULL TAB DISCRIMINATION!

ELIMINATE PULL TABS DOWN TO 50%, BOTTLE CAPS, NAILS, AND MOST OTHER TRASH DOWN TO 70% OF COIN DEPTH SIMULTANEOUSLY WITHOUT LOSS OF TREASURE DEPTH IN VLF GROUND ELIMINATION DISCRIMINATION!

Statistics show that most trash items are within 1-2" of ground surface.

DESIGNED PUSH BUTTON
Tuning is independent. No tuning change when switching from Non-Discriminate to Audio-Discriminate. **TOUCH TUNING IS STABLE & STABLE** Hairpin tuning WHEN IT COUNTS. Safe Memory Circuit!

New!



TRIPLE FUNCTION METER

Newly designed Meter Face tells at a glance whether you've got Trash or Treasure . . . Meter is completely independent of Tuning and Volume Control . . . Meter is discriminating all the time, even while in Non-Discriminate Mode! No need to reset Meter. Needle always returns to center meter zero! Meter checks batteries automatically each time detector is turned on. No other detector has this feature!

TRASH SQUELCH CONTROL

This unique advanced feature instantly permits operation in extremely high trash areas without the distraction of any audio decrease over trash. Sound level remains constant at tuning level as the loop passes over surface trash, with only the meter indicating presence of a trash item (unless, of course, trash item is beyond discriminate range). Operation is at reduced sensitivity level. U.S. nickels will not be detected at this setting.

TONE LEVEL CONTROL

Sets the audio frequency best suited to your hearing range. Each individual requires a slightly different tone to maximize detection. Set it and forget it!

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Patents are pending on Compass' Coin Magnum exclusive Tri-Planar loop configuration and circuit design

\$454⁵⁰

with 8" and 12" loops
(save \$27.50)

\$399⁵⁰

with 8" loop only

12" Coin Magnum loop — \$82.50. Provides 20% increase in Discriminate range and approximately 15% increase in depth on objects coin-sized and larger.

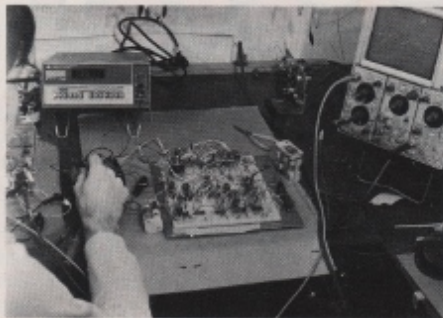
Optional rechargeable battery systems available.

All prices F.O.B. Forest Grove, Oregon. Coin Magnum is covered by Compass' 5 year limited warranty. Prices and specifications subject to change without notice. Refer to catalog for details or ask your dealer.

THE STORY BEHIND COMPASS' PHENOMENAL COIN MAGNUM

GROUND ELIMINATING VLF DISCRIMINATOR

Its Development, Field Testing and its Amazing Performance



Years of research and development have gone into unprecedented circuitry design of the Coin Magnum. Above, Compass engineer checks circuitry.

Ever since the Very Low Frequency (VLF) type of metal detectors were introduced to the treasure hunting market about four years ago, manufacturers and treasure hunters alike dreamed of a true ground eliminating VLF Discriminator that would probe as deeply as the standard ground eliminating VLF.

Models were introduced by various manufacturers that did, in fact, discriminate — but would not eliminate the ground at the same time; thereby greatly reducing the depth at which a good object would be detected.

Discrimination capabilities of these detectors were minimal at best when used in the VLF Ground Elimination mode. Usually, the discrimination capabilities of these detectors worked only on items close to the surface while offering no detection at the greater VLF depths.

Another disadvantage of these VLF discriminators was loss of sensitivity as the degree of discrimination was advanced. Most would not detect nickels, for instance, when set to discriminate against pull tabs; sensitivity to other coins also decreased greatly.

While these various VLF/discriminator combinations proved to be a good selling feature, they were not, in a true sense, genuine VLF Ground eliminator discriminators.

Compass engineers and technicians, realizing that a real need existed for a VLF Ground eliminator discriminator, began in earnest about two years ago to develop such a detector.

The task proved to be a difficult one. No precedent existed for a circuitry design that would discriminate at Very Low Frequency ranges with any degree of success. Many concept designs were developed by Compass engineers and discarded after unsuccessful, or only partially successful testing.

While one Engineering group was working on improved circuitry for the housing, another task force was working on a totally new search loop concept which was needed to achieve the desired performance.

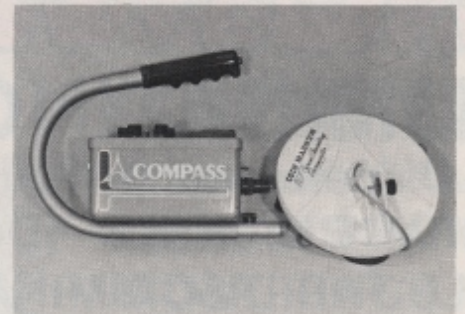
Finally, in matching new concepts of loop design and housing circuitry, and combining efforts in a variety of ways, Compass engineers began finding new possibilities for a breakthrough in metal detector technology. Prototypes were constructed using some of the new circuitry combinations and were field tested. Engineers travelled to various parts of the country testing these prototypes under varying conditions, and over a variety of soil types. Field notes and logs were kept and compared back at Compass Electronics' laboratories; often resulting in circuit changes to improve performance for these various regions.

Excitement and anticipation grew at the factory as word began filtering out of the Engineering Department that a new, revolutionary, VLF ground eliminating discriminator was a distinct possibility and that one might even be ready for production by early 1979.

Not since the early days of Compass' introduction of the "B" series Wide Scan TR metal detector to the treasure hunting market, had such optimism and excitement been felt by management and employees.

Compass was on the verge of an engineering breakthrough and everyone at Compass knew it . . . you could sense the excitement throughout the plant.

Finally THE detector, was unveiled — the phenomenal COIN MAGNUM! the instrument that other manufacturers said couldn't be built! A TRUE VLF ground eliminating discriminator that



Coin Magnum features new logo on side of control housing. Top of housing has been redesigned to accommodate new controls, facilitate easier operation.

detected valuables as deep in discrimination as other VLF ground eliminators operating in non-discriminate!

All the annoying characteristics of the semi-VLF discriminators on the market had been eliminated by Compass engineers — the rapid sweeping motions necessary while in the discriminate mode; the irritating and tiresome jerking of the loop rapidly from the target to test the discriminate response; and all the other operations the VLF discriminate user had to go through to compensate for the characteristics of these VLF Discriminators were now eliminated.

With the COIN MAGNUM, a true VLF Ground Eliminating Discriminator has been developed! Now it is possible for the relic hunter to search for coins, rings, and other small valuable items with ease while still uncovering artifacts buried deeply in highly mineralized soil. Coins are now being found buried so deeply that they were thought to be lost to history. And all this with just ONE detector — Compass' phenomenal COIN MAGNUM!

No longer will the serious treasure hunter need to own two or more detectors depending on the type of treasure he is seeking — a VLF for relics, and perhaps a TR discriminator for coins and rings. Because, now, the COIN MAGNUM truly DOES IT ALL!

Compass once again sets the standard for the entire metal detector industry — a standard that keeps Compass years ahead of its competition!

World Leader in Underground Detection Research and Development



COMPASS
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