

MAGNACAST™ 5000 FORWARD GAUSS™



The **MAGNACAST™5000 FORWARD GAUSS™ Remote Sensing Detector System** is the latest addition to our **FORWARD GAUSS™** Series of detectors.. We have incorporated the power of **FORWARD GAUSS™** technology into a detector system for the serious, professional relic and treasure hunter. This is an updated system that utilizes our newest innovation the “**SCAN GUN™**” receiving antenna and an adjustable power level that lets you set the system for close or long range detecting. It also brings back the **ANOMALY QUALIFIER CIRCUIT™**, invented by Vernell™ Electronics.

This is a fully electronic audio and visual detecting system that is that is surprisingly easy to use. There is a built in speaker in the receiver so the user doesn't have to use headphones. The standard transmitter is configured with the Vernell™ ‘**Standard Six™**’ elements, but it can be ‘custom built’ with other elements for additional charges.

This detector systems is fully self-contained in a sleek aluminum case and includes the transmitter, transmitting antenna with stand, receiver with neck strap, “**SCAN GUN™**” receiving antenna, rechargeable gel cell battery with 110V charger, marker flags and user's manual.

ALL VERNELL™ DETECTORS COME WITH A ONE YEAR WARRANTY ON PARTS AND LABOR.

OUR HISTORY

Vernell Electronics was founded in 1977 by V. R. Rose in Sarasota, Florida. He has more than fifty years experience in the field of electronics and electronic research. His career in electronics began in the U. S. Air Force where he was a radio-radar engineer. He entered the rapidly developing field of television technology upon graduation from the RCA School for Electronic Engineering as a Licensed Electronics Engineer.

For the next twenty years he was involved in several, diverse, areas of electronic research and development. He developed or assisted in the development of several products for industry and consumer use.

In 1977 Mr. Rose established Vernell Electronics after spending a decade developing the first metal detectors using early, very primitive technology. In 1981 Mr. Rose and his associates expended remote long range sensing with the development of the Electronic Discrimination™ Technology that is the foundation of the present VR™ Series.

In 1997, Mr. Rose turned over the day-to-day operations of Vernell™ to the current officers, William and Glenda Dunning – his daughter and son-in law. Mr. Rose is still very active in Vernell™ however as the head of its research and development department and the support desk as well.

The staff of Vernell™ Electronincs brings seventy five years of experience to its clients and constantly strives to upgrade our current product line and development of new systems to meet our client's detecting needs. Whether relic or treasure hunters or those who need other types of detectors as well.

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VERNELL™ ELECTRONICS INCORPORATED

VR™ SERIES AND MAGNACAST™ SERIES REMOTE SENSING DETECTING SYSTEMS

Detectors for the novice,
the serious, and
the professional hunter.



VERNELL ELECTRONICS, INC
vr detectors.com
SALES LINE: 866-202-0124
SUPPORT LINE: 941-924-1189

VR™ Remote Sensing Detector Systems are micro-processor driven, long distance locators capable of transmitting and receiving signals, from most elements, for distances up to a quarter mile. By using Harmonic Induction Discrimination and a 360° multiplex signal we are able to pre-program our detectors for specific elements. The ANOMALY QUALIFIER CIRCUIT™, Invented by Vernell™ Electronics, and which is built into every VR™ 300-800 Series and the new Magnacast™ Series of detectors, allows the user to eliminate insignificant particles and oxidation by allowing the qualification of a signal and eliminating unwanted targets. It also allows the user to predetermine the quality and quantity of the target prior to digging. This feature has eliminated the need for the filters, amplifiers and parabolic antennas other detectors use.

VR™ 300 -800 SYSTEMS



The VR™ 300, 400, 500, 600, 700 and 800 detector systems have the same appearance. It is the internal systems and the elements for which they are programmed that determines the system number. Each element is indicated with an LED indicator light and selected by turning a pre-programmed selector switch.

Each detector system includes a transmitter, receiver with belt clip, transmitting probes, free-rotating extendable antenna rods, user manual and is packed in a soft-side carrying case.

Elements programmed into
VR™ 300-800 Detector Systems

SYSTEM NUMBER	ELEMENTS					
	GOLD	SILVER	DIAMOND	COPPER	TIN	LEAD
VR300G	■					
VR300S		■				
VR400	■	■				
VR500	■	■	■			
VR600	■	■	■	■		
VR700	■	■	■	■	■	
VR800	■	■	■	■	■	■

The VR™800 detector system contains the Vernell 'Standard Six'™ configuration of elements.

VR™ 900 SYSTEM



The VR™ 900 Detector System includes the Vernell 'Standard Six'™ elements of the VR™ 800 but is manufactured with a more powerful (approximately twice as powerful as that of the VR™ 800), case-mounted transmitter. It includes a receiver with belt clip and includes a gel cell battery with a charger. The VR™ 900 is manufactured in a hard side, padded case.

VR™ 1000 FORWARD GAUSS™



The VR™ 1000 FORWARD GAUSS™ is an advanced system utilizing advanced FORWARD GAUSS™ technology that is **both an audio and visual detector**. This detector was first used in the field in 1984 and the FORWARD GAUSS™ technology that it uses has proven to be (by far) the most successful developed by Vernell™ Electronics. This system was originally developed for professional archeologists and treasure hunters and has been used both on land and under water. With the original \$20,000 it was out of the reach of all but the most serious. With the development of faster and more complex processing units and a reduction in the cost of materials we were able to begin offering this breakthrough technology to the general public. Part of the success of this system is that it does not look like a standard 'metal detector'. Instead, it has the appearance of a fine, well manufactured piece of scientific equipment that one might expect to find at an archeological site.

The VR™ 1000 FORWARD GAUSS™ is 'custom built' in a sturdy, hard side, padded case with two locks. The transmitter is case mounted and includes the Vernell 'Standard Six'™ elements with selector switch. The system includes an installed, rechargeable gel cell battery with charger, transmitting antenna, receiving rods and receiver with belt clip, headphones and user manual all inserted into the specially fitted case.