



LRLMAN'S MFD/LRL Generators
5010 BayouSide Drive Chauvin, La. 70344
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Field Test Report

“Maxi-Pulse 5000 sold by Bob Fitzgerald”

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By Tim Williams*



Maxi-Pulse 5000 and the Arc-Geo Logger.

Email: lrman@yahoo.com Web Site: [Http://lrman.com](http://lrman.com)
Bringing you the Best in MFD/LRL Generators



First Impression:

A customer wanted to see if the Maxipulse 5000 would work with the Arc-Geo logger, so they sent the unit to me for testing. I had to repair the coil wire from the unit to the coil. The coil is a standard 7-12 conductor, unshielded cable used for these types of PI units. There was nothing wrong with the coil itself. The cable connection I guess over time broke and the owner made a new connection for the wire. I repaired the connection. I noticed that this unit is very similar if not the same as the Pulse2000. Both have the same PCB and sound output. I contacted the Pulse2000 people but received no response. Both sell for the same price.

The Coil:



4-wraps 12"



3-wraps 20"



2-wraps 28"



Open coil 60"

The following tests were done with the above coil wraps. I am only reporting the results I got from the test. If you own one of these units you may want to test and see what your results are. There is no mineralization here on the bayou. One draw back for these



detectors is you have to make a form to hold the coil. The coil is a loose wire and needs support before you can use it.

Targets:



Two targets were tested on the Maxipulse 5000. The 11” iron plate and the 5lb-lead bar.

Wraps	Target	Disc.	Depth	uh
4	iron	0	2’/61cm	650
4	lead	0	1’/30.5cm	
3	iron	0	3.5/104.1cm	466
3	lead	0	15”/38.1cm	
2	iron	0	3’/81.4cm	395
2	lead	0	2’/61cm	
0	iron	0	5’/152.4cm	287
0	lead	0	2.6’/76.2cm	

As you can see the results are not very good on the smaller coils. The best results were with the coil open. When you add wraps you change the inductance of the coil and the detectors response in depth! The coil switch seems to be for a fast slow sweep. Up position “large coil” is a slow response. You have to give the unit time to react to the target. Down “small coil” is a fast sweep, the unit response faster to a target.

Good and Bad Points:

Because the unit is a non-motion type detector you have to monitor the threshold. It did drift some, but all non-motion detectors drift some. I had to adjust it during the testing to make sure I had the maximum response. If you own one of these detectors I would use it in the open coil only. You have to make a form for the coil. The smaller coils should have detected the smaller lead target farther, but did not. I talked to Mr. Bob Fitzgerald and he confirmed that the detector was to be used with the open coil, or at most 2 wraps. For the price of the unit and the depth shown it is not a bad deal. Keep extra batteries with you in the field. I was told the battery life is around 2 hour’s max.



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This detector will work with the logger. Using the open coil 60" will cover a very large area. Also follow the tuning in the manual. Adjust the sensitivity all the way up and turn the unit on. Turn the tuning knob till you hear the threshold. Use the sensitivity to lower the threshold. You want to use as much sensitivity as possible.

If you have any questions about this report please email me.

Regards,

Tim Williams