

## Use your computer as an Eddy Current Instrument

VM Products, Inc. now provides an Eddy Current Instrument designed to be used with your desktop, laptop or handheld computer. Simply load the included software into the computer, plug into the USB port and your computer becomes an eddy current instrument. *Computer is not included.* 

## **INSTRUMENT INCLUDES:**

VMEC-1 USB Eddy Current Instrument USB Cable Power Supply & Cable Instrument Software

Minimum System Requirements OS—Windows XP SP2-1GB or Windows Vista-1GB Processor—1.0GHz Hard Drive—15GB Free USB Port

## VMEC-1 USB Eddy Current Instrument:

- Frequency Range: 2 Hz-14 MHz
- Gain: 0-100 dB in .1 dB step increments
- Probe Drive: 1-20 Vp-p in .1 V increments
- Rotation: 0°-359° in 1° increments
- Impedance Plane (Lissajous) Display
- Separate Null and Position Controls
- Use either Differential or Reflection Probes
- Digitizing Rate: 12,000 samples/sec maximum
- USB Plug & Play
- 10 x 10 Graticule Display Grid
- Size: 4 1/2" Long x 3 1/4" Wide x 1 7/8" Thick
- Weight: 10 Ounces

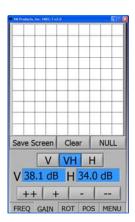
VM Products, Inc.

Specialists in Eddy Current Probes, Reference Standards, Applications, Research & Development



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## **Three Screens Included with the VMEC-1**



| Frequency Drive<br>100 \$kHz \$5.0 Vpp \$  |
|--|
| Range Persist  |
| +/-5 V ど 0.5 s 🖹 CH1 Or  |
| Reflection Bridge CH2 Of   |
| Rotation 0 0 0 0   |
|  |
| Horz Gain 10.0 0 10.0 0  |
| Horz Gain 10.0 0 10.0 0 Horz Gains   |
| Acquisition OFF NULL Clear   |
| Solution State Sta |
| Save Screen  |

VMEC-1 Handheld

VMEC-2 Widescreen

|   |       | Frequency                                      |
|---|-------|--|
| _ | <br>_ | <br>100 🕃 kHz 💌                                |
|   |       | Drive 5.0 Vpp<br>Range +/-5 V                  |
|   |       | Persist 0.5 s                                  |
|   | <br>_ | Reflection Bridge                              |
|   |       | CH1 On CH2<br>Rotation 0 2 0                   |
|   |       | Vert Gain 10.0 0 10.0<br>Horz Gain 10.0 0 10.0 |
|   | <br>  | <br>Synch Gains                                |
|   |       | Measure OFF OF<br>Vpp 0 0                      |
|   |       | Phase 0 0                                      |
| _ | <br>  | <br>Position OFF OF                            |
|   |       | N <data file=""></data>                        |
|   |       | Acquisition OFF                                |
|   |       | NULL Clear                                     |
|   |       | Record OFF Save Screen                         |

VMEC-2 Standard Screen

