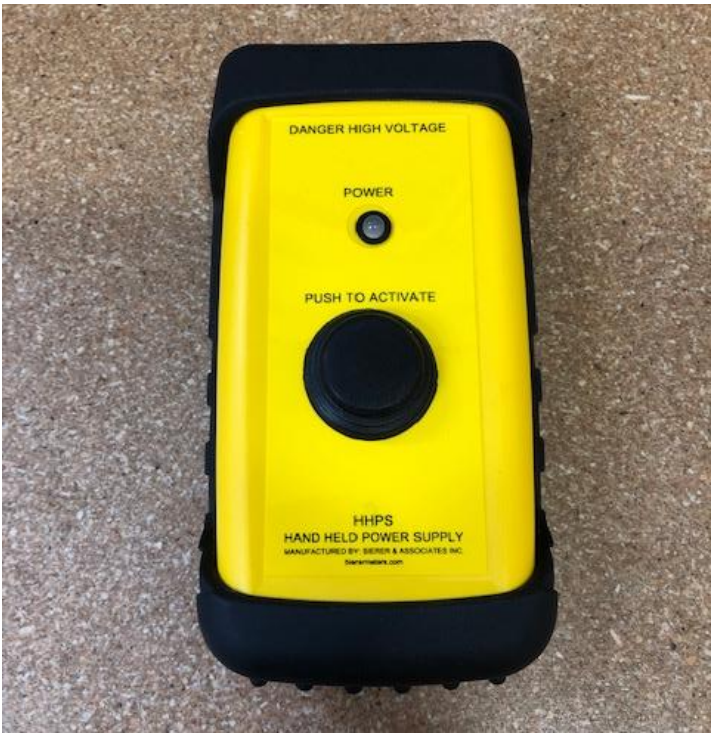
Bierer METERS
Safety is number one.

Hand Held Power Supply Instruction Manual



CAUTION

The equipment covered in these operating instructions should be used by qualified employees, trained in and familiar with the safety-related work practices, safety rules and other safety requirements associated with the use of this type of equipment. These instructions are not intended as a substitute for adequate training, nor do they cover all details or situations which could be encountered in relation to the operation of this type of equipment.

WARNING

Use appropriate length live line tool for the voltages being worked and maintain minimum approach distances as outlined in OSHA 1910.269, Table R-6. Do not let live line tool fittings become grounded in any way. This will damage meter and may cause personal injury.

NOTICE

Before operating this equipment, read, understand and follow all instructions contained in this manual. Keep instructions with equipment.

Design and Function

The Hand Held power supply is designed to provide a single phase known voltage source for the test and verification of a voltage detector. It is recommended to use this tool before and after each use of the meter to verify function of the meter to prevent false indications in the event of a tool malfunction. It is specifically designed for use on non-wired voltage detectors.

The supply provides an approximately 800 volt output, varying slightly in relation to the actual voltage of the 9V battery that supplies the unit. The readings the meter will give will also slightly vary depending on the unit being tested and the position of all the components. Due to the frequency output being higher than the 60 Hz our voltage detectors are calibrated to. This does not affect the test results as it will still verify the meter is functioning and reading a voltage. If any meter does not read a voltage, it would be considered faulty and do not use it till proper function is verified.

BATTERY REPLACEMENT

1. Remove the power supply from the rubber grip cover by pushing up at the bottom and then pull the unit out.

2. Slide the cover off the battery compartment.

3. Remove the battery and replace it with a new 9V battery, being sure to observe the orientation of the battery and matching it to the legend at the bottom of the battery holder.

4. Slide the battery cover back onto the unit.

5. Place the unit back into the rubber cover by placing the top into first and then pushing the bottom into the case.

CAUTION:

Use caution when handling the tool. The metal disk at the top of the unit is an energized source when the power button is depressed, even when the battery light is red.

TESTING ON KNOWN VOLTAGE

Testing with the Hand Held power supply on non-wired voltage detectors only.

1. Turn the meter in question on and follow the instruction for preparing the unit for use. The power supply can test the appropriate meters in any position listed on the chart on page 5.

2. With the power supply in hand, depress and hold the power button. If the light on the unit turns green, the battery voltage is good and you can proceed to the next step. If the light is red, follow the procedure on page 3 then repeat this step.

3. While holding the power button down and holding the meter being tested in hand, make contact with the metal disk on the end of the power supply with the tip of the meter. The expected results are shown on page 5.

NOTE: Depending on how the meter is held, the results could vary. The results on page 5 are under normal conditions, holding the body of the housing and not touching the probe or the quick change tool adapter. if you are not sure of the results, please contact technical support for assistance.

4. Once test is complete, release the push button and return the power supply to its normal storage location. The meter is now ready for use.

Hand Held Power Supply Expected Results.

Meter	Position	Expected reading
VDA040C	C	FULL SCALE
	URD	2.0 - 3.4
	OH	2.5 - 5.0
	X4	1.0 - 2.0
VDA040P	P	FULL SCALE
	URD	2.0 - 3.4
	OH	2.5 - 5.0
	X4	1.0 - 2.0
VD1000	URD	2.5 - 5.5
	OH	3.0 - 6.0
	OHT	6.0 - 16.0
VD1000T	T	60.0 - 90.0
	URD	2.0 -5.0
	OH	2.5 - 5.5
	OHT	6.0 - 16.0
VD1000P	P	999.0
	URD	2.0 -5.0
	OH	2.5 - 5.5
	OHT	6.0 - 16.0
VDA0300	ALL	4.0 - 6.0
VDAH300	ALL BUT H	4.0 - 6.0
VDA0450	ALL	4.0 - 6.0
VDAH450	ALL BUT H	4.0 - 6.0

NOTE: Depending on how the meter is held, the results could vary. The results on page 5 are under normal conditions, holding the body of the housing and not touching the probe or the quick change tool adapter. if you are not sure of the results, please contact technical support for assistance.

Limitation of Warranty and Liability

Bierer & Associates Inc. warrants this product to be free from defects in workmanship and material, under normal use and service conditions for a period of one year from date of shipment.

Due to continuous product improvement and development, Bierer & Associates Inc. reserves the right to modify product designs and specifications without notice.

It is impossible to eliminate all risks associated with the use of high voltage electrical devices including this device. Risks of serious injury or death are inherent in working around energized electrical systems. Such risks include but are not limited to variations of electrical systems and equipment, manner of use or applications, weather and environmental conditions, operator mentality, and other unknown factors that are beyond the control of Bierer & Associates Inc.

Bierer & Associates Inc. does not express or imply to be an insurer of these risks, and by purchasing or using this product you **AGREE TO ACCEPT THESE RISKS.** IN NO EVENT SHALL Bierer & Associates Inc. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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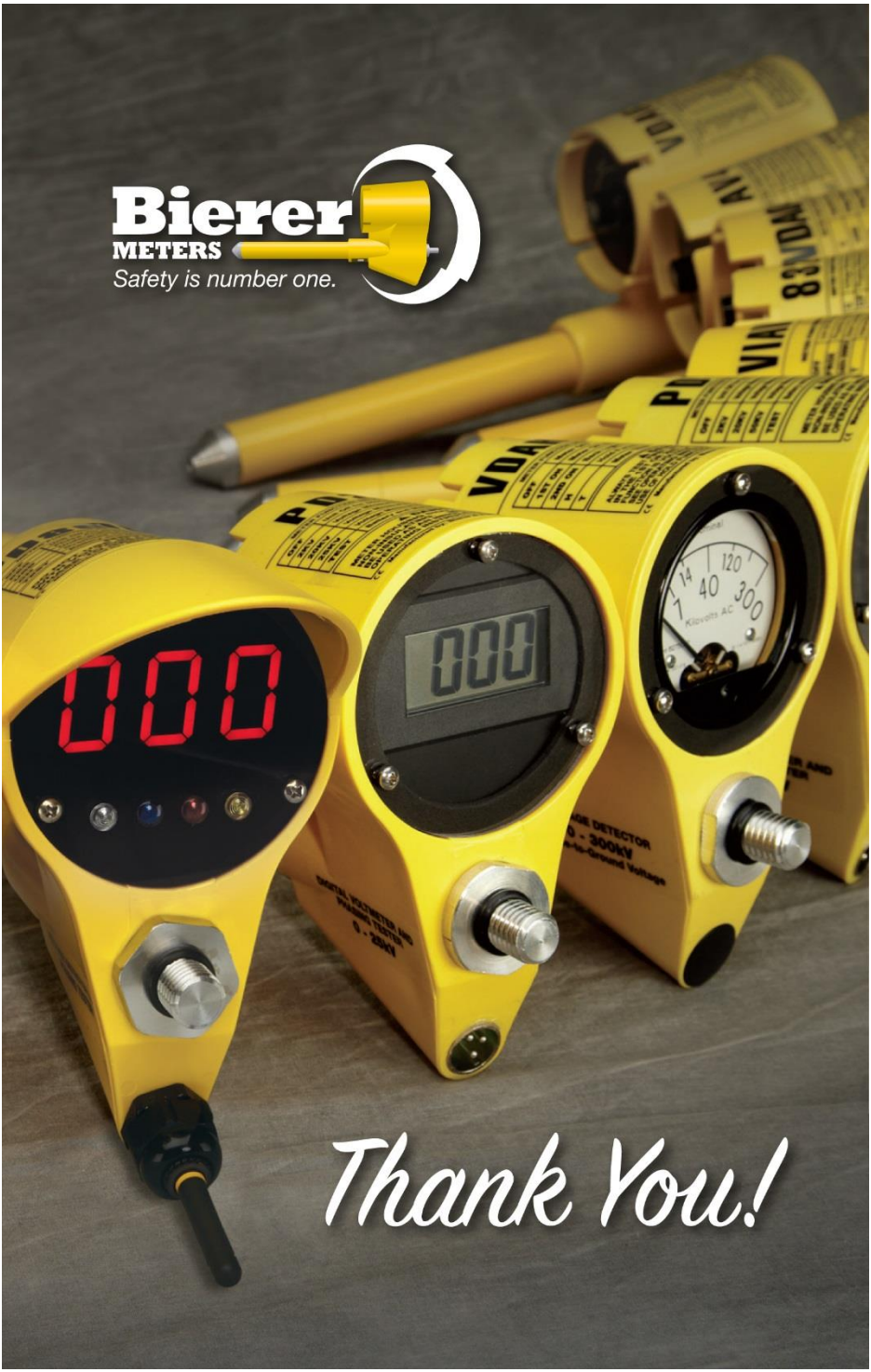
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Thank You!