Appendix G: Manual

Please see the following pages.

OPERATIONAL PROCEDURES (USER MANUAL)

This device complies with Part 18 of the FCC rules.

SAFETY PRECAUTIONS

The HD50 Stabilization Tool should always be used in accordance with the Safety and Operating instructions contained herein. Failure to do so could result in damage to equipment or injury to personnel operating the system. Never try to operate the system if it shows obvious signs of damage or water penetration.

THERE ARE NO USER SERVICEABLE PARTS ON/IN THIS SYSTEM. REMOVING ANY COVERS WILL POTENTIALLY EXPOSE PERSONNEL TO HIGH VOLTAGE AND MAY RESULT IN ELECTRIC SHOCK. IF THE SYSTEM BECOMES DAMAGED OR CEASES TO FUNCTION PROPERLY, CONTACT PROTECTIVE SYSTEMS, INC IMMEDIATELY TO ARRANGE FOR SERVICING OF THE UNIT BY A QUALIFIED AUTHORIZED REPAIR TECHNICIAN.

OTHER WARNINGS

The HD50 is designed to interrupt the normal operation of certain components of any electronic circuitry when a device containing that circuitry is placed directly in front of the tool within its range. Therefore, avoid pointing this tool at any sensitive electronic equipment or systems where such interference would be undesirable. As long as the HD50 is only directed at the electronic device of interest and care is taken not to place any other sensitive equipment in front of the tool, there will be no adverse effects on any other systems in proximity.

Avoid pointing the HD50 at any communications systems, data storage devices or any other type of sensitive electronic system at close range. Interruption of normal operation of that system could result.

OPERATION

1. Power Connection of HD50.

The HD50 is powered by 120V/60Hz Main Facility power with 20A service or can be connected to a gas operated field generator with a minimum power rating of 1200W. Use the 50' power cable supplied with the device – never modify the cable or improvise with one not designed to work with the HD50. (Before connecting the tool to a power source, ensure the switch is in the OFF position – red safety cover down.)

1) Remove dust caps from the bayonet connectors on the cable and the back of the HD50.
2) Connect the power cable to the HD50 with proper alignment of the bar and slot on the connectors (it will only fit one way).
3) Connect the NEMA style, three prong, grounded plug end of the power cable to a wall outlet, or the output socket of your generator. (Never extend the power cable distance using an extension cord.)

2. Activation of HD50.

The HD50 is activated by lifting the red safety cover over the switch located on the back panel next to the power indicator lamp and fuse, then lifting the silver toggle switch to the 'up' position. To shut down the tool, simply push the red safety cover back down over the switch. While the HD50 is active, the indicator will glow green. Once power is connected, verify proper functioning of tool before placement. Tool can be operated indefinitely while power source is available.

3. Placement of the HD50.

The HD50 should be used in conjunction with all safety and operating procedures already in force with each respective organization using this tool. Verify a good connection on the power supply cable and ensure there is no chance of the cable becoming disconnected. Also verify the tool is fully functional before placement. Place the HD50 directly in front of the electronic device of interest, or at a 45^{o} angle, as determined by the on-scene analysis at the time of operation. HD50 should be no further than one half of a meter (1/2m) from the device of interest. The HD50 can be placed on the ground or supported on it's tripod to gain proper vertical alignment with the device of interest. Ensure the tool is secure and stable in it's placement to prevent disruption of field during operations.

4. Shut-down of HD50.

When operational procedures on the electronic device of interest are completed, deactivate the HD50 Stabilization Tool by pushing the red safety cover back down over the switch. Disconnect power cable from power source first then disconnect cable from tool. Replace dust caps on connectors on both power cable and HD50 to prevent intrusion by dust, dirt and water.

MAINTENANCE

Before each use of the HD50 Stabilization Tool, check fuse by removing fuse cap above green indicator lamp. If filament is broken replace fuse with extra one supplied. For more replacement fuses, contact Protective Systems, Inc. Do not use any other fuse than the one supplied with the unit. Keep the HD50 dry and clean at all times and store in its original shipping container for safe keeping. Ensure all dust caps on the tool and the cable are replaced after use. Inspect both the tool and the cable frequently for signs or wear or damage. There are no user serviceable parts or features on this tool. Should the HD50 show any signs of damage or cease to function properly, immediately contact Protective Systems, Inc directly for scheduling of an authorized repair.

CUSTOMER SERVICE, REPAIR & TECHNICAL SUPPORT

PROTECTIVE SYSTEMS, INC.
7100 MONACHE MOUNTAIN AVE
POB 1270
INYOKERN, CA 93527-1270

(760) 377-4400 PHONE
(760) 377-4430 FAX

info@protectivesystems.com
www.protectivesystems.com