

MARINE TESTER

In conjunction with Volvo Penta and with their technical guidance, AMI developed a system for the marine industry to perform electrical tests on new boats at the manufacturing facility prior to boat delivery to dealers. The test system is capable of testing and verifying all on-board electrical circuits and components of a boat including blowers, pumps, radio, speakers, lights, gauges, switches, etc. It will also verify proper sensor connections to the engine such as temperature, oil pressure, even wiring to the trim tab pumps if the boat is so equipped.

Following are some of main features and advantages of this test system:

- Self-contained in a single portable enclosure.
- PC-based design with Pentium processor and Windows 2000 as the operating system.
- Operator control through a built-in 12-inch LCD touch screen display along with an optional handheld Remote Smart Controller.
- Interface cabling to mate directly to the boat wiring.
- 50A, 12VDC power supply capable of powering up any electrical circuit in the boat without requiring connection of the boat battery.
- Inputs to measure voltage levels while circuits are sequentially activated by the test operator through panel switches.
- Outputs to simulate various sending units to verify the operation of the panel gauges.
- Outputs to simulate the tachometer signal to test the tach gauges.
- Circuitry to sense power supply current draw to detect missing, malfunctioning, or incorrect equipment.
- Test data saved to hard drive or to network through Ethernet port.