



Aircraft Live System Wiring Analyzer

A flightline portable maintenance aid providing wiring fault detection and location capabilities on both live and deactivated systems.

Features

- Detection and location of wiring faults during system operation
- Location of open and short circuit faults & intermittent faults
- Detection of 2 millisecond or longer arc faults
- Allows monitoring of wires up to 500 feet
- Results are recorded, can be downloaded for trend analysis

The LiveWire/Ultra Aircraft Live System Wiring Analyzer (ALSWA) is the first flightline portable wiring tester capable of identifying and pinpointing the location of wiring faults, including arc faults, on live and deactivated systems. ALSWA's revolutionary SSTDR technology provides technicians a unique advantage in quickly locating and repairing damaged wiring, including hard to duplicate intermittent failures. The type of fault, distance to fault, and time of occurrence is displayed and recorded. Test results can also be downloaded for diagnostic purposes and trend analysis.

ALSWA is operated via menu-driven software. It is remarkably simple to use and connects to aircraft wiring quickly via standard test leads, directly in-line or indirectly using clamp on couplers.

Specifically designed as ruggedized, portable ground support equipment for use at operational level, the ALSWA is a simple, accurate and reliable maintenance tool.



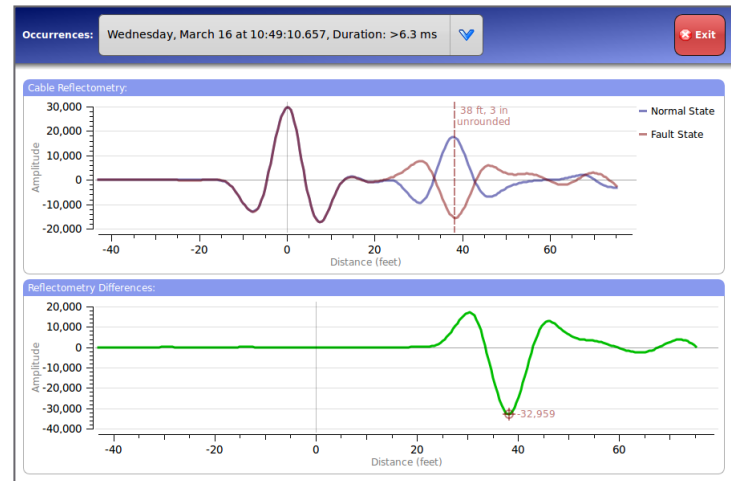
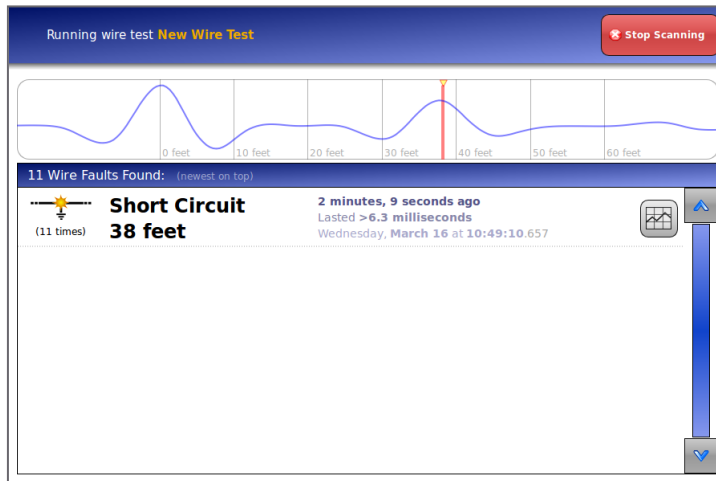
 **LIVEWIRE**
TEST LABS, INC.

Ultra
ELECTRONICS

Technical Specifications

LiveWire Test Studio Embedded

Spread Spectrum Time Domain Reflectometer



General Specifications: Part Number ALWT-1001S

- Distance to Fault Accuracy:
 - +/- 1.5 feet for wires < 100 feet
 - +/- 2.5% for wires > 100 feet
- Maximum Input Ratings for Powered Wires
 - Can be customized for different applications
 - AC Voltage Ratings: Up to 240 VAC RMS @ 60 or 400 Hz
 - DC Voltages: Up to 300 VDC
- Monitors Multiple Wires (under development)
 - Single wire monitoring for Live arc faults
 - Networked version (under development)
- External Power:
 - 120VAC or Rechargeable Battery
- Cable Connectors:
 - BNC and Banana jacks standard
 - Clamp around connectors
 - Custom connectors available upon request
- Output Signal Amplitude: 0.016– 0.500 V Peak to Peak selectable
 - EMI certified as per MIL-STD-461
- Embedded Software:
 - Wire Test Studio Embedded version 6.4
- Packaging:
 - Maximum Dimensions 9.5" x 15.0" x 12.5"

Aerospace Applications:

- Flight Line
- Hangar
- Above/Below Deck



Ultra Electronics
 FLIGHTLINE SYSTEMS
 7625 Omnitech Place
 Victor, NY 14564-9795
 USA
 Tel: +1 585 924 4000
 Email: marketing@ultra-fei.com
 www.ultra-fei.com
 www.ultra-electronics.com

LiveWire Test Labs Inc.
 575 E 4500 South #B-125
 Salt Lake City, Utah 84107
 USA
 Tel: +1 801 293 8300
 www.livewiretest.com

Ultra Electronics reserves the right to vary these specifications without notice.

© Ultra Electronics 2011.

Printed in USA