

September 18, 2018



Astronics Test Systems Introduces New Wire Fault Test Solution

The ATS-6100 WFT offers a breakthrough solution for isolating wire faults

EAST AURORA, N.Y.--(BUSINESS WIRE)-- [Astronics Corporation](#) (NASDAQ:ATRO), a leading provider of advanced technologies for the global aerospace, defense and semiconductor industries, announced today that its wholly owned subsidiary [Astronics Test Systems](#) is introducing the new [ATS-6100 WFT \(Wire Fault Tester\)](#). By detecting both existing and potential wire faults, this tester will help extend the life of aging military or civil aircraft, ships, ground vehicles, and other high vibration equipment where operational failure would be catastrophic.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20180918005201/en/>



For the maintenance of aging vehicles and equipment, the new ATS-6100 Wire Fault Tester from Astronics Test Systems delivers unmatched capabilities to detect both hard and soft faults before catastrophic failure occurs. (Photo: Business Wire)

This is the newest addition to Astronics' lineup of portable, software-defined test solutions, providing powerful support to critical teams worldwide. As a handheld, self-contained tablet, the ATS-6100 WFT is the first wire tester capable of both soft (intermittent) and hard fault detection. The future-supportable platform contains all necessary hardware and software for comprehensive verification testing

and fault detection and isolation of metallic wiring with superior noise rejection.

"Our core mission is to ensure optimal performance of critical systems and protect lives, as evidenced in our new, revolutionary solution for wire fault testing," commented Brian Price, Executive Vice President of Astronics Test Systems. "The ATS-6100 WFT eliminates guesswork, delivering the perfect balance of voltage and energy for precise fault location and

easy repair. We are excited to help customers maximize the ROI of aging equipment and minimize unnecessary spending.”

About the ATS-6100 WFT

The ATS-6100 WFT precisely detects and locates both hard and soft faults, ending unnecessary replacement equipment purchases due to misdiagnosis or “no fault found” results.

As a single-ended application, the tester eliminates the need to terminate the opposite end of the cable for testing, limiting human interaction and leaving cables undisturbed in the system.

The unique design of the ATS-6100 WFT combines patented low energy, high voltage (LEHV) and spread spectrum time domain reflectometer (SSTDR) technologies to precisely locate and assess both existing and potential wire faults.

Engineered with longevity in mind, the ATS-6100 WFT leverages a software-based design giving users the flexibility to test both current and future metallic conductor wiring within system cables and harnesses.

Additional features include:

- Latest SSTDR technology to easily locate opens and shorts in interior/ exterior wiring and cabling, including long haul cabling
- LEHV time domain reflectometer (TDR) to detect and locate soft faults on un-powered conductors without powering or moving the cable
- Detection of intermittent/soft fault conditions, such as chafing or cracking of a wire’s insulator
- Velocity of propagation (VoP) calculation mode
- Configurable Windows-based software support on user-friendly touchscreen interface
- Portable, lightweight, ultra-rugged design to enable easy use within the harshest environments

Astronics Test Systems will display and demonstrate the new ATS-6100 WFT at AUTOTESTCON in National Harbor, Maryland, September 17-20, 2018. For complete product details, to view the solution sheet, or to request a quote, please visit Astronics.com.

Astronics Test Systems leverages nearly 60 years of experience to offer automatic test expertise to electronics manufacturers in the aerospace, military, semiconductor, medical, space, mass transit, and automotive industries. Astronics’ test solutions ensure the world’s most advanced electronic products perform as designed, every time.

ABOUT ASTRONICS CORPORATION

Astronics Corporation (NASDAQ: ATRO) serves the world’s aerospace, defense and semiconductor industries with proven, innovative technology solutions. Astronics works side-by-side with customers, integrating its array of power, connectivity, lighting, structures,

interiors, and test technologies to solve complex challenges. For 50 years, Astronics has delivered creative, customer-focused solutions with exceptional responsiveness. Today, global airframe manufacturers, airlines, military branches, completion centers, and Fortune 500 companies rely on the collaborative spirit and innovation of Astronics.

For more information on Astronics and its solutions, visit [Astronics.com](https://www.astronics.com).

Note to editors: Astronics Test Systems is taking appointments to demonstrate the new ATS-6100 WFT to editors at Autotestcon. Please contact Elizabeth Flattery to arrange an appointment.

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