

UxValidator™

The UxValidator™ Family of Test Sets — Product Overview

No more lugging around heavy and expensive, space-eating test equipment.

The UxValidator™ family of test solutions delivers versatility, ease-of-use and reliability never before available in portable, application-specific troubleshooting equipment.

Powerful

Each UxValidator solution is built around ULTRAX Aerospace's proven UxValidator architecture. Maintenance personnel now have the capability to troubleshoot aircraft system problems without removing the system components from the aircraft. Even wire harnesses are tested while they are still installed. If components require testing after they are removed from the aircraft, UxValidator solutions perform just as well on the bench.

The UxValidator platform provides the ultimate in enhanced troubleshooting flexibility in a powerful, portable package. It is versatile enough to test a wide variety of systems due to its ability to generate and measure both analog and digital signals. Operation is made effortless through the simple, menu-driven user interface and automated switchology.



Versatile and Expandable

The UxValidator architecture features ULTRAX Aerospace's UxPod technology for the ultimate in flexibility. Each application-specific test solution is referred to as a Pod Set which includes a BrainPak, an UxPod and where applicable, system interface harnesses. This flexibility allows for virtually endless possibilities of test set characteristics for systems now and far into the future.

The application-specific BrainPak included in each Pod Set turns the UxValidator into a specialized troubleshooting device, providing the user interface and test sequences required to analyze targeted systems. The BrainPak simply slides into the top of the UxValidator chassis and is easily secured with two thumbscrews. Operation of the UxValidator reduces complex troubleshooting processes into a series of turns and clicks of controls on the BrainPak.

ULTRAX Aerospace developed UxPod technology to replace the heavy, bulky interface cables typically associated with connecting test equipment to aircraft. Each UxPod communicates with the UxValidator over a slender, ultra-flexible, high-speed data link allowing the UxPod to easily fit in tight spaces and as far away as 40 feet from the UxValidator.

System interface harnesses connect the UxValidator electronics to the system being analyzed. These are short cable harnesses that allow an UxPod to interface with connectors on the target system and in most cases are less than a foot long.

The UxValidator's flexible power options allow it to operate directly from the vehicle power or from bench or facility power.



Think Innovation™

Think ULTRAX™

Portable

UxValidator solutions can go anywhere you go. Because the UxValidator itself weighs less than 5 pounds and is small enough to hold in your hands, its portability is unmatched in the industry. UxPods are small enough to hold in one hand and, smaller still, each BrainPak is only about the size of a deck of cards. All the components of each UxValidator Pod Set stow comfortably inside rugged, portable transit cases.

Reliable

UxValidator products are developed, manufactured and supported within the ULTRAX Aerospace ISO 9001:2008 quality system ensuring consistent, durable and reliable quality. Furthermore, every UxValidator solution is designed to meet MIL-PRF-28800 and MIL-STD-810 requirements. Built-in self test functionality verifies the integrity of the entire UxValidator system including BrainPaks, UxPods and system interface harnesses.



Recognized

With products approved by AMCOM, CECOM, NAVAIR and OEMs, the UxValidator family of test solutions delivers the technology and flexibility needed to support the Army, Navy and Air Force 21st-century war fighter. Rugged, accurate, reliable and easy to use, each ULTRAX Aerospace UxValidator solution replaces multiple bulky, individual pieces of test equipment with the compact UxValidator chassis and corresponding Pod Set.

The era of lugging heavy and expensive, space-eating test equipment is over.

The UxValidator family of products brings you the performance and reliability that you've come to expect from ULTRAX Aerospace. For more information about the UxValidator family of test solutions or any of our other products that take the trouble out of troubleshooting, visit us, the Yellow Box Guys, online at ULTRAXInc.com.



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