



Application Alley

Test and Measurement

Why Standex Electronics Test and Measurement?

Quality: In-house capabilities, proven expertise, reduced costs

Our team strives to be a true part of your design process, offering a wide variety of services to ensure the success of our global customer network. From tooling and reed switch modification to plastic molding and manufacturing capabilities, Standex Electronics's experienced engineers and advanced technology are one of the best ways we meet our quality commitment.

Component Corner (Expert Insights) Mark Faulhaber Director of Engineering, Standex Electronics

“ When you work with Standex Electronics, you don't need to use an external vendor for testing, and saves your company important time and money. With an outside lab, the testing process is often lengthier and more involved for the customer. There can be a lot of back-and-forth discussion and troubleshooting that adds extra time to the development of the product. When customers work with Standex Electronics, they can be assured that since we made the components, we'll know how to properly test them from the start. In addition, our unique life cycle capabilities and decades of experience can add real value to the project and make it easier to meet the exacting standards of any industry.

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In-house testing capabilities are another crucial part of that commitment. Since we make the components themselves, we have an in-depth understanding of their limitations, their properties, and which tests would best serve your needs. In addition, Standex Electronics engineers have years

of experience with military, medical, automotive, and aerospace standards. We can explain how specific requirements apply to your particular component, recommend testing processes, and help to ensure compliance with even the most exacting standards. As a one-stop shop for testing, mechanical design, and electrical design, Standex Electronics not only saves customers time and money, but also assumes ownership and accountability for every one of those processes.



When designing electrical systems, quality is absolutely critical. Even the smallest systems can require a large number of component-level tests, and each test is crucial to ensuring that your parts meet specification and industry-specific standards. You rely so heavily on these tests to prove the quality of your components. Have you ever thought to look at the quality of the testing processes themselves?

Standex Electronics is proud to offer extensive qualification testing capabilities for our components, including reed sensors, reed switches, and transformers. We perform many standard qualification tests – including vibration, shock temperature cycling, humidity – at our own facilities, giving you the benefit of added expertise and a faster return to market.

Our engineers are also able to assemble a customized testing regimen to fit your specific product.

Qualification Testing Capabilities

- In-house testing saves customers weeks compared to an outside lab
- Medical standards
- ITAR certified
- Humidity tests
- Terminal strength tests
- Temperature cycling
- Preliminary UL testing
- Aerospace and military standards MIL-STD-202, MIL-PRF-27, and MIL-STD-981
- AS90100 certification
- Vibration testing
- Shock tests
- Dust and gravel tests
- Salt spray tests



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Life Testing Capabilities

- Unique, proprietary life cycle testing technology
- Adjustable loads, from 1 milliamp up to 100 watts
- Monitors and analyzes each cycle in real time
- Speeds of 100 hertz, 100 times per second

With Standex Electronics's accelerated life tester, we can capture every single cycle as it happens, and can test switches into the billions of cycles. This life testing is crucial for applications which use a large number of reed switches, such as the Automated Test Equipment (ATE) industry, where one switch failure can cause extensive delays. This testing also provides useful information about the relationship between load and lifetime.

Industry Applications

Aerospace, Automated Test Equipment, Automotive, Aviation, Electronics, Medical, Military

Find out more about our ability to propel your business with our products by visiting www.standexelectronics.com or by giving us a hello@standexelectronics.com today! One of our brilliant engineers or solution selling sales leaders will listen to you immediately.

About Standex Electronics

Standex Electronics is a worldwide market leader in the design, engineering, and manufacture of standard and custom electro-magnetic components, including magnetics products and reed switch-based solutions.

Our magnetics offerings include planar, current sense, and conventional low- and high-frequency transformers and inductors. Reed switch-based solutions include Meder, Kent, and KOFU brand reed switches, as well as a complete portfolio of reed relays, and a comprehensive array of fluid level, proximity, motion, water flow, HVAC condensate, hydraulic pressure differential, capacitive, conductive and inductive sensors.

We offer engineered product solutions for a broad range of product applications in the transportation, automotive, medical, test and measurement, military and aerospace, aviation, HVAC, appliance, security and safety, and general power and industrial markets.

Standex Electronics has a commitment to absolute customer satisfaction through a partner, solve, and deliver approach. With a global organization that offers sales support, engineering capabilities, and technical resources worldwide – we implement customer driven innovation that puts the customer first.

For more information on Standex Electronics, visit us on the web at standexelectronics.com.

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