

# CABLE TEST & MEASUREMENT



AS SYSTEM DEMAND GROWS, SO DOES TEST TOOL VERSATILITY

As the demands upon networked systems grow, ensuring data and signal integrity becomes more crucial than ever. These test and measurement instruments make cable pulling and testing more efficient and fool-proof so technicians can work with greater speed and confidence in the quality of their work.

### REED INSTRUMENTS

Since 2004, Wilmington, North Carolina-based REED Instruments has been providing test and measurement tools used by industrial maintenance teams, electricians and HVAC/R professionals in a number of MRO applications.

"Today's professional is faced with many options when choosing

to purchase their next instrument. In the competitive landscape of test and measurement, REED offers high-quality instruments that you can trust to get the job done without breaking the bank," says Chris Korres, business development manager, REED Instruments.



The versatile new three-in-one REED R5500 circuit breaker finder features a circuit breaker finder to quickly identify which receptacles are tied to their respective breaker, a receptacle tester to ensure proper outlet wiring and a GFCI tester to ensure outlets protected by a ground fault are functioning properly.

"We are excited to launch the R5500," Korres continues. "We worked closely with end-users to design an ergonomically-friendly instrument that is extremely easy to use. It will be the perfect addition to our current lineup of multimeters, clamp meters and electrical testers."

The R5500 will launch at \$35. All REED Instruments come with a standard one-year manufacturer's warranty and are backed by a repair and calibration facility located in Wilmington, North Carolina.

### IDEAL NETWORKS

Communication technology is constantly advancing and IDEAL

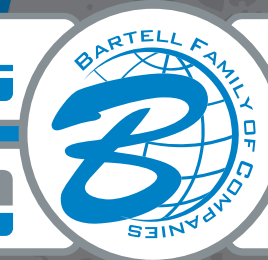
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REED Instruments' R5500 circuit breaker finder performs three functions: pairing receptacles with their respective breakers, testing receptacle outlet wiring and GFCI testing.



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Southwire's patented new Triggers Wireless Safety System gives installers at each end of the cable pull the ability to stop the pulling equipment instantaneously when needed.

stop the pulling equipment at a moment's notice."

The Triggers Wireless Safety System will also save time, helping to avoid unnecessary stops and restarts as a result of miscommunications. The system comes with two hand-held units for observers and two foot pedals for the feeding and pulling operators. With a range of 1,500 feet through construction and 3.75 miles line-of-sight, the Triggers Wireless Safety System can be counted on to provide "best in class" safety in virtually any cable pulling application.

#### » LEARN MORE

[www.idealnetworks.net](http://www.idealnetworks.net)  
[www.reedinstruments.com](http://www.reedinstruments.com)  
[www.southwiretools.com](http://www.southwiretools.com)

highest level of safety, allowing full control of pulling and feeding equipment from anywhere along the cable raceway. With this one-of-a-kind system, installers at each end of the cable pull, as well as the observers in between, have the ability to stop the pulling equipment instantaneously when needed.

"The Triggers give the cable puller operator, the person feeding wire and the person monitoring junction boxes or electrical vaults complete control over the cable puller and/or feeder," explains Tim Bardin, director, equipment products for Southwire Company. "Instead of electricians having to rely on cell phone or radio communication to relay the need to stop the pull, each installer with a foot switch or hand-held remote will be able to assess the situation and

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PAYERLE

The IDEAL SignalTEK NT copper and fiber network transmission tester offers Gigabit performance testing on passive cabling and active networks and supports the IDEAL AnyWARE App.

or troubleshooting passive cabling and active Ethernet networks where system warranties are not required."

The SignalTEK NT also sends real Ethernet data frames through the cabling and to network devices to compare the error rate against the IEEE802.3ab Gigabit Ethernet standard, ensuring a clear standards-based Pass/Fail of the link being tested. By providing greater agility in support of unique network scenarios — simulating actual VoIP, CCTV, web traffic or IP video services — it lets technicians comprehensively test and document that networks will provide flawless data transmission of that application.

This testing capability is especially useful prior to adding new IP devices as it ensures that the network has enough capacity without degrading existing performance or requiring expensive upgrading. For example, a technician adding IP cameras for video surveillance onto the network can simulate the number of cameras, resolution and compression time.

#### SOUTHWIRE

Cable pulling can potentially be a dangerous situation due to miscommunication or delay in stopping the pulling equipment when the need arises. Southwire's solution to this situation is the new, improved Triggers Wireless Safety System. This patented system offers the

reports to their mobile devices with the IDEAL AnyWARE app."

The reports can then be sent to clients and project managers by e-mail, FTP or cloud storage, resulting in greater collaboration and visibility, more on-time job completions, reduced costs and exceeded customer expectations. Test reports can also be downloaded onto a USB memory key.

"The SignalTEK NT rebuilds previous SignalTEK versions from the ground up, laying a strong foundation for future enhancements," Payerle continues. "It 'proves performance' that copper and fiber networks provide error-free performance up to Gigabit Ethernet transmission rates, making it the ultimate tester for technicians installing, maintaining

Networks is keeping pace. Its latest-generation SignalTEK NT copper and fiber network transmission tester offers Gigabit performance testing on passive cabling and active networks, generates PDF test reports to IEEE 802.3ab standard, simulates VoIP/CCTV/Web/IP video network traffic, tests connection speed, port ID, ping, traceroute, IPv4/IPv6 and supports the IDEAL AnyWARE app.

"SignalTEK NT is completely mobile," explains Dan Payerle, business unit manager for IDEAL Networks. "New functionality incorporated allows it to automatically generate reports in PDF or CSV format that can be fully customized with company and operator details. Once the report is complete, the field technician can activate SignalTEK NT's built-in wireless hot spot to transfer

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