

Alster News



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Spectrum Analyzer

The SH-60S-AOA extends the capability of the SH-60S-TC by adding the ability to triangulate the location of an interferer on a map for signals between 9 kHz and 6 GHz. Highly portable, the SH-60S-AOA easily fits in one hand and boasts an intuitive touchscreen user interface.

Leveraging mapping technology from OpenStreetMap, users can triangulate the source of an interferer by measuring power levels. In addition, the

multi-touch technology, users will find a high-resolution full-color touchscreen with familiar, easy to use, methods for setting up and using the RF spectrum analyzer.

With more than 2x faster sweep times than the competition, the SignalHawk also includes a two-level internal preamplifier. You may view the spectrum with trace display, spectrogram display, or both. Also included is the Bird RF Meter App that allows interopera-

bility with a wide range of Bird Field sensors.

The SignalHawk is the lightest, all-in-one analyzer at only 1.98 lb., with a battery offering 4 hours of continuous operation.

Field engineers, technicians, wireless equipment manufacturers, service providers, contractors, tower erectors and military personnel alike have come to trust the precision results and efficiency of the SignalHawk™. Ω



VIAVI - OneExpert

OneExpert DSL, ONX-580 Family, helps field technicians fix problems—the first time. The multi-touch, user-friendly interface and OneCheck automated tests ease complex tasks with clear pass/fail results. Its future-proof modules ensure years of use supporting access and home networks. The modular platform scales to fit both outside plant and in-home use cases at the right price point with three models: the service focused ONX-580A, the standard ONX-580 with copper and service testing, and the new ONX-580P for advanced copper and service test. All models can support FTTH and WiFi testing.

Key benefits include: Modular platform scales for new WiFi, fiber, and xDSL technology including VDSL Profile 35b and G.fast, OneCheck automates field tests and simplifies Copper and DSL results to consistently close jobs correctly, One-button OneCheck TDR auto identifies fault types and locations right away, Prove the true customer experience with a standardized TrueSpeed™ test (RFC-6349)

Three ways to test throughput (Ookla, SpeedCheck and Broadcom Speedtest)

Key Features Test G.fast and ADSL2+/VDSL2 including bonded and vectored pairs, copper, POTS, and

coax/HPNA, Multi-touch friendly user interface leverages user experience from smartphones and tablets, Multiple options for one button speed testing including Ookla and TrueSpeed™, StrataSync cloud-enabled architecture provides easy asset management and test data management.

Contact us today for more information. Ω



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TXRX - Duplexers

TX RX manufacturers a comprehensive line of duplexers with the critical specifications you require to operate a high-performance system.

A Duplexer (or diplexer as they are sometimes called) is a 3-port device most commonly used to allow a transmitter and receiver, operating on different frequencies, to share a common antenna while operating simultaneously. The filters that make up the

duplexer isolate the transmitter from the receiver by doing two important functions - the most important is filtering out any transmitter noise sidebands that are being generated on the receive frequency. The second function is protecting the receiver from transmitter carrier overload.

At high-band VHF and UHF, the Vari-Notch® design is the most commonly used. Vari-Notch® provides a low-loss pseudo-bandpass

characteristic that can exist very close to a deep notch. Proven low-loss and low-noise construction techniques are used such as welded cavity construction; silver-plated loops, Al-balloy®-plated integrated loop plates and connectors; as well as a unique finger-stock-free high-conductivity silver-plated tuning probe. Our cavities are constructed of hardened aluminum which resists denting and associated detuning. Ω



**TXRX
Vari-Notch
Duplexers**

Power Products - Smart Batteries

Power Products new generation of smart batteries are smarter, keep you better informed, and keep you powered longer. Smart batteries are fully functional with Motorola IMPRES™ 1 and 2 chargers and feature higher capacities. They provide important battery data on the radio display that enables you to manage battery power with sophisticated diagnostics.

Batteries powered by PolyMax HPC LiPo cells are best-in-class products that feature high capacity and these important benefits: They offer longer runtimes compared to other two-way radio battery options and greater cycle life compared to Li-Ion cells (500+ vs. 300). PolyMax cells have significantly lighter weight compared to NiMH batteries with similar capacity.

With a self-discharge rate of less than 5% per month, which is one third that of NiMH batteries. Solid construction and quality fit with radio. They can be charged using Endura, Logic, or OEM chargers designed for Li-Ion batteries. Also including Power Products Extended warranty – 24 months for capacity (80%) and 24 months for materials and workmanship. Ω



**Power Products
Smart
Batteries**

VIAVI - 3920 & 8800 Updates

VIAVI announced the release of new applications for both the 3920 Series and the 8800 Series Radio Test Sets. These updates provide a number of improvements. New upgrades and options for the 3920B include:
Option 610 – Motorola

MOTOTRBO Series Auto-Test / Alignment
Option 629 – Tait P25 Series Auto-Test
Option 639 – Tait DMR Series Auto-Test
Option 637 – Harris XL Series Auto-Test and Alignment

8800SX
Auto-Test Core Software – Version 2.3.2
Option 112 – Tait P25 Series Auto-Test
Option 113 – Tait DMR Series Auto-Test
Contact me for more information. Ω



**VIAVI
3920B & 8800SX
Application Updates**



Federal Signal - Informer Alert

Alerting the public of an emergency situation is now easier and more reliable than ever with Federal Signal's Informer I-HIO and I-UIO radio receivers. These units are designed for one-way radio alerting.

Available in either VHF or UHF-band models, they decode DTMF, single-tone, and two-tone sequential signals (optionally available are units for decoding EAS/SAME or Federal Signal digital protocols). The Informer is capable of generating four separate alarm

sounds that can be accompanied by a live voice message.

Informer units include a LED panel that flashes to immediately indicate transmission of an emergency alert. Other features include a 600-Ohm audio output, dual (N.C./N.O.) relay for external control, built-in diagnostics, and an LED test indicator.

The Informer I-HIO and I-UIO desktop versions feature an external AC transformer for power, as well as built-in battery backup.

The I-HIOW and I-UIOW receivers are designed to be wall mounted or recessed into the wall and include a 115/230VAC power supply pre-wired to internal terminal blocks and a built-in battery backup. These models feature mounting holes for easy top mounting of an optional Federal Signal LPI Strobe light. Units are pre-wired to accommodate the LPI Strobe which operates off the Informer's internal power supply. Contact me for more information. Ω



Federal Signal Informer

Codan - Cascade Repeater

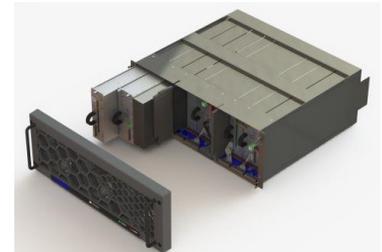
The Codan Cascade™ is the new software-defined P25/Analog base station/repeater that has been engineered from the ground up with a focus on IP-networked radio solutions. This all-inclusive package features two variable-power 100W P25 repeaters mounted inside a 4RU sub-

rack complete with network interface and power supply.

The software at the heart of the Codan Cascade has been designed with the mission critical radio system user in mind, providing remote programming, diagnostics, logging and fault-management in a simple,

easy-to-use interface.

The built-in P25 DFSI standards-based IP interface allows for the networking of multiple Cascade units into advanced conventional system architectures, such as voting and simulcast. Contact us for more information. Ω



Cascade Repeater

PulseLarsen - Tri Band Antenna

PulseLarsen introduces the new NMO 150/450/758 Tri-Band antenna. This is an Omnidirectional antenna covering the following frequency bands, VHF: 150-174 MHz, UHF: 430-520MHz and 750-870 MHz. It offers a 0/5/4 dBi gain respectively and 100Watt power rating, making the

NMO 150/450/758 ideal for the new multi-band radios on the market.

With a flexible spring, the impact resistant antenna has a point of flexure 2.5 inches above the vehicle compared to 9 inches for our competitors. This substantially reduces the potential for

damage to the vehicle if there is an impact with the antenna.

Contact us for more information or a demo Ω





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ACES - 2020 Training Schedule

The Alster Communications Electronics Showcase (ACES) is a one day training and product showcase put on with the support of the Manufacturers that Alster represents.

We provide 6 technical seminars throughout the day and dedicated time with our Manufacturers to see the latest products available in the Communications industry.

ACES is a great day of training and networking with your peers in the Industry. We also provide lunch and giveaways all at no cost to our Customers!

Our Next ACES of 2020 starts on May 5th!

Please go to:
[http://www.alster.com/
 news-events/](http://www.alster.com/news-events/)

To register for an ACES near you.



ACES 2020

Mark your
 Calendars

Boise, ID May 5th

Butte, MT May 6th

Spokane, WA May 7th