

Alster News

Hand Held Field Testing by Aeroflex

In This Month's Issue

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3500 Hand Held

The ALL NEW Aeroflex 3500 is the ultimate in field service testing with the latest in portability, battery life and performance. The 3500 Test Set builds upon the expertise of Aeroflex in advanced radio test capabilities with new features and affordability that will set a new standard in portable radio test.

The Field Test Set is capable of measuring high power (200 watts with external attenuator, 20 without), and quickly isolating faults in antennas and cable interconnects. The 3500 combines the functionality of a variety of vehicle radio tests and will have software updates to accommodate future test capabilities and portable test features that are typically found in bench top radio test equipment.

The 3500 weighs only 8.5 pounds, has a six hour battery life, operates from 2 MHz to 1 GHz and has Rugged MIL SPEC 28800 Class 2 operation.

3900 Test Set

The 3900 Series is the next generation portable test set platform for advanced professional digital radio communications. Building upon a longstanding reputation for



Aeroflex Booth at APCO

excellence in professional radio communication test, the 3900 Series from Aeroflex sets a new benchmark for quality, ease of use, performance and value.

Software options expand the measurement and signaling capabilities for communications systems that utilize advanced digital modulation and protocols. More importantly, with software re-configurable digital architecture, future technologies and enhancements can be achieved with simple field programmable software updates.

The 3901 operates up to 1 GHz and the 3902 operates up to 2.7 GHz. For more information give me a call. Ω

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IWCE Las Vegas - 2006, See You There

The IWCE Show will be held in Las Vegas the week of May 15. All of the Alster guys will be attending and support the following factories:

- Aeroflex - Booth 923
- Bird/TXRX - Booth 910
- JPS Communications - 929
- Multiplier - 113
- Otto Communications - 537
- PCTEL/Maxrad/Antenna Specialists - 926

- Relm Wireless - 900
- Survey Technologies - 933
- Trident Micro Systems - 819
- Times Microwave - 1520
- Valmont Communications - 1762

As you can see, we will be busy. If you would like to set up any private meetings to discuss new products or opportunities with these factories, please let me know and we'll make it work. See you there! Ω

Multiplier - Factory Mutual Approved Batteries

The initial approval given to the original manufacturer by Factory Mutual (FM) or other accredited certifying agencies is based on the radio, antenna, and battery as an electrical circuit/system, with any other associated apparatus, meeting the requirements for Intrinsically Safe rating as intended for use in; Classes I, II & III, Division 1, Groups A, B, C, D, E, F & G; and Class I, Zone 0 & 1, Groups IIA, IIB & IIC, Hazardous (Classified) Locations.

This approval does not allow for any arbitrary substitutions in antenna, battery, or any associated apparatus to be used with an approved Intrinsically Safe Radio System. Substitutions in antenna, battery, or any associated apparatus must be certified as approved alternates. These substitutions must

meet or exceed the original equipment manufacturers system approval ratings. Multiplier meets these alternate listing approval requirements: the battery is readily identifiable with approval classification listing, and certifying agency mark as per approval. The battery complies with the Approval agreement in its entirety and performs satisfactorily in the field on successive re-examinations of equipment, materials, and services as appropriate.

Finally, the battery passes the requirements of periodic follow-up audits of the manufacturing facility or service/application by the approval agency.

Intrinsically Safe

Buy Multiplier batteries with confidence. Ω



Factory Mutual Approved

PCTEL - WiFi and WiMAX Antennas

The Maxrad division of PCTEL manufactures networking antennas and accessories for 802.11a, 802.11b and 802.11g WiFi (Wi-Fi) and WiMAX applications, including wireless bridging, wireless LANs, RFID and wireless hot spots.

ISOMAX24014TNM

The XtremeWave™ ISOMAX24014PTNM maximum isolation sectorized antenna array complements our popular MS024014NF sectorized omni by providing providers the ability to use three (3) co-located radios per

compact antenna, while retaining the flexibility to individually adjust each sector from 5° up to 10° downtilt.

The antenna provides a typical port to port isolation of -68 dB.

Our LMR land mobile radio, cellular and public safety antenna line includes base station, mobile data and voice and portable antennas, as well as cable assemblies, connectors and mounting brackets designed to make antenna installation simple and cost-effective.

Call your local distributor or me. Ω

PCTEL makes a wide variety of Wi-Fi and Wi-MAX antennas and general use LMR antennas

Bird Offers Free Calibration Kit with SA's

Bird Technologies is offering a Cal-Kit with the purchase of any SA Site Analyzer. The SA-1700 is the least expensive unit and operates between 25 and 1700 MHz. It will read live power, provide distance to fault information and VSWR (return loss) measurements for cable and antennas.

All SA Site Analyzer have expanded memory which allows saving up to 15 test set-ups and 238 trace results for later review and archiving. The SA-1700 is upgrade-

able to the spec's of the SA-2500 and/or the SA-6000 for an additional charge.

Demonstration

We would like to place a demo in your hands to play with. Just contact your local distributor or me to set up a date and time.

IWCE - Booth 910

Or, you can just come by the booth at IWCE and take the unit for a test drive. Don't forget to ask for the free Cal-Kit. Ω



SA-1700EX

JPS Communications ACU-T

The ACU-T provides tactical packaging for the proven ACU-1000 modular interoperability system. The flexible control and status monitoring options of the system make the ACU products truly flexible and versatile. Interconnections between any of the system radios and telephones (and a local operator) can be initiated and terminated in a variety of ways:

- Local operator using the system keypad
- DTMF signaling from radios or consoles
- Using the ACU Controller software interfaced to the ACU-T's serial or Ethernet control ports

The six devices interfaced to the ACU-T (radios, telephones, and local operator) can

be interconnected in any combination - from three nets of two users, to a single net with all six users connected together. The ACU-T's keypad, handset, speaker, and LEDs allow full local control and monitoring of the interoperability system.

All of the interface features that made the 19' rackmount ACU-1000 the industry leader in interoperability solutions are available with the ACU-T, including: a choice of VOX, VMR, or Hardwired COR, Digital Audio Delay, and COR Sampling to ensure that a false key or noisy signal can't tie up a net.

The unit is DC powered, allowing easy battery or vehicular use. Please let me know if you need additional information. Ω



JPS - ACU-T

Times SilverLine TuffGrip Cables

Are you tired of breaking test cables because they are not built tough enough? You should try the Times **SilverLine-TGTM** (**TuffGrip**TM) test cables.

Their use and reuse cables are patent pending and designed to address the needs of cellular infrastructure, wireless Internet and land mobile radio installers and test technicians. They employ a unique, hefty hand grip to help withstand the rigors of field use.

The robust **TuffGrip**TM hand grip is installed at the system test end of the cable

assembly. It allows the user to apply as much resistance as is necessary to properly torque the system cable connector, while preventing excess torque from being applied to the test cable. A proper connection may now be made quickly with a single wrench. **TuffGrip**TM test cables are armored and use super-tough stainless steel captive-contact connectors for long life.

Each is 100% RF tested and comes with Times' replacement guarantee. Please call your local distributor or me for additional information or demonstration. Ω

Times Microwave makes a use and reuse test cable that is second to none

Otto Communications Three-Wire Kit

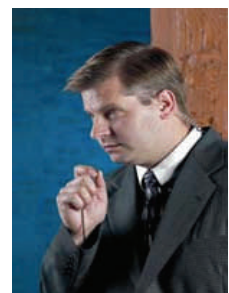
Otto Communications sets the standard in durability, reliability and performance for low-profile earphone kits. Using Otto allows you to maintain high-clarity, two-way radio transmissions that are unnoticed by others around you.

Three-Wire Kit

The three-wire kit from Otto is not just for "surveillance" purposes anymore, it is also perfect for security at airports, casinos and manufacturing plants, crowd control at

conventions and concerts, and others working in environments requiring discreet communications.

The three-wire kit includes a lightweight earphone, rubber eartip, radio connector and clothing clip. It has a quick disconnect earphone adapter for easy replacement of any one component with a low-profile, flexible, transparent acoustic tube. It is available in black or beige from two-way radio dealers or direct from the factory. Ω



Otto Communications
Three-Wire Kit

Survey Technologies - RF Mapping

Survey Technologies offers a laptop computer based RF Measurement product used for years by the Cellular industry to fully define current and future RF coverage.

Upgrading to P-25?

If you are moving from analog to digital P-25 radios, do yourself a favor and take a look at Survey. Protect yourself by establishing your current analog coverage. Use the coverage maps created by the Survey Technologies software in your bid documents, giving the bidders your minimum acceptable coverage with P-25.

After the project is completed, use the same software program to verify the vendor has fulfilled the contract specifications and provide the coverage you need.

You can order a demo disc from Survey Technologies or me. This disc shows you the features and functions of the software using existing files. It will generate maps and

show you how to protect your investment as you move from analog to digital. Please call for more information.

ACES 2006

Please mark your calendars for October 2, 4 and 5 when we will hold our traveling Alster Show in Boise on Monday, October 2; Helena on Wednesday, October 4 and Spokane on Thursday, October 5.

The Montana APCO Chapter Conference will be held at the same Helena hotel as ACES on October 3.

ACES Hawaii 2007

The second Hawaii ACES will be held February 8, 2007, in Honolulu. Come join us for some fun and training. Ω

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