



NEWS RELEASE

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Curtiss-Wright Now Shipping Tri-Band (L/S/C) Multimode Transmitter for Aerospace Instrumentation Applications

***TTS-9800-2 Multimode Transmitter Supports L-Band, S-Band, and C-Band,
Exceeds New IRIG 106-17 Standards***

INTERNATIONAL TELEMETERING CONFERENCE (ITC), GLENDALE, Ariz. (Booth #101) – November 6, 2018 – Curtiss-Wright’s Defense Solutions division today announced that its Aerospace Instrumentation (AI) business unit, a proven, trusted leading supplier of flight test instrumentation (FTI) system solutions, is now shipping its new [TTS-9800-2 programmable Tri-Band Multimode Transmitter](#). The TTS-9800-2 delivers the highest RF power efficiency available in the industry today. User programmable multimode transmitters speed and simplify RF band selection in the field for flight test applications. Their use reduces time and cost, lowers program risk, and cuts inventory complexity, all benefits for costly flight test programs where any potential downtime needs to be avoided.

“We are pleased to announce that our TTS-9800-2 Tri-Band Multimode Transmitter is now shipping, providing flight test ranges with performance that surpasses the latest IRIG 106-17 standards,” said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. “This fully compatible transmitter lowers cost, time and risk for our customer’s flight test programs with support for L/S/C bands in a single, field programmable device.”

The TTS-9800-2 supports transmission in L-Band (all), S-Band (all), and C-Band (lower and middle). Designed to operate in the harsh environmental rugged conditions of aerospace test applications, the transmitter also provides state-of-the-art modulation, Forward Error Correction (FEC), and Space-Time Coding (STC) compatibility to the IRIG-106-17 telemetry standard (that test ranges are now mandated to support). The device’s user programmability options are provided via serial and parallel interfaces and go beyond what is required in the IRIG 106-17 standard. These new features that are accessible include nested LDPC and STC for a combined application that can extend an aircraft’s operational range. Reflecting Curtiss-Wright’s commitment to the telemetry transmitter market, the TTS-9800-2, with its addition of a second output and support for STC and tri-band transmission, is the next-generation enhancement of the earlier dual-band TTS-9689-2 device. This

rugged transmitter is ideal for use in aerospace and defense applications, such as flight test instrumentation, Remotely Piloted Vehicle (RPV) communications, and launch vehicle telemetry.

TTS-9800-2 Performance Features:

The TTS-9800-2 tri-band transmitter provides dual outputs at 10 W. Both of its outputs support STC to, for example, eliminate destructive interference between the top and bottom antennas on an aircraft, and mitigates occasional signal loss. Performance features of the TTS-9800-2 include;

- Tri-band transmission: L, S, & C-Bands
- Dual channel, 10W per channel
- Programmable power levels
- Supports: PCM/FM, SOQPSK, & Multi-H CPM
- LDPC per IRIG-106-17
- STC per IRIG-106-17
- Serial programming interface
- Frequency selectable via RS-232, 422, or 485 COM port with parallel BCD
- Provides IRIG 2¹⁵-1 and CVSDS compatible randomizers
- Data rates
 - PCM/FM from 60 kbps to 20 Mbps
 - Others formats from 120 kbps to 40 Mbps
- Bit rate agile
- High efficiency multi-power amplifier design
- GPS compatibility filtering

Complete System Level Flight Test Solutions

Curtiss-Wright leads the industry in providing complete system level flight test solutions and provides the market's broadest range of in-house designed system level data acquisition products - including DAU, gateways, transceivers, recorders, cameras, managers, and switches. The TTS-9800-2 is fully compatible for use with all Curtiss-Wright Aerospace Instrumentation products, including the new Axon ultra-compact data acquisition system.

About the Curtiss-Wright Aerospace Instrumentation Group

In 2017, Curtiss-Wright integrated its Dublin business unit (Ireland) with the Teletronics Technology Corporation business unit (based in Newtown, Pennsylvania), to form the Industry's broadest and most experienced single source for customers of commercial and defense aerospace instrumentation system solutions. With the merger of the two business units, Curtiss-Wright now supports more aerospace flight test customers, platforms, and programs than any other competitor around the world. What's more, with its increased resources and global reach, the Company is able to significantly expand the availability of its unmatched quality and customer support, while bringing even larger system-level solutions to market.

Sales inquiries: Please forward all Sales and reader service inquiries to ds@curtisswright.com.

For more information about the Curtiss-Wrights Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 8,600 people worldwide. For more information, visit www.curtisswright.com.

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