



## NEWS RELEASE

---

**FOR IMMEDIATE RELEASE**

Contact: Robert F Coveny  
VP of Business Development  
[rcoveny@curtisswright.com](mailto:rcoveny@curtisswright.com)

John Wranovics  
Director of Communications  
M: 925.640.6402  
[jwranovics@curtisswright.com](mailto:jwranovics@curtisswright.com)

### **Curtiss-Wright Adds Digital Temperature Compensation Pressure Scanner Module to KAM-500 Flight Test Instrumentation Family**

***New KAD/MDC/105 module supports dual 64-Channel DTC Pressure Scanners***

**ASHBURN, Va. – April 09, 2024** – Curtiss-Wright's [Defense Solutions Division](#) has expanded its family of KAM-500 flight test instrumentation (FTI) modules with the addition of a new ADC card that interfaces to multiplexing Digital Temperature Compensation (DTC) pressure scanners. The KAD/MDC/105 module enables the acquisition of pressure and temperature data during flight test programs by interfacing to popular DTC pressure scanners, such as the TE Connectivity ESP-32HD and ESP-64HD. The module, which supports dual 64-channel DTC Pressure Scanners, can directly read scanner memory at data rates up to 50 Ksps per channel, and applies DTC correction algorithms to ensure accurate data, delivering 0.02% full scale range error performance. The KAD/MDC/105 also supports the re-zeroization of the scanner device and stores any corrections in on-module non-volatile memory. The rugged module is ideal for use in flight test, engine test and pressure measurement applications for commercial and defense fixed wing and rotorcraft platforms.

“The introduction of the KAD/MDC/105, our first KAM-500 DAU module to support DTC Pressure Scanners, exemplifies our commitment to the continual enhancement of our popular KAM-500 data acquisition product family,” said Brian Perry, Senior Vice

President and General Manager, Curtiss-Wright Defense Solutions. “Our KAM-500 and other DAU product families offer flight test engineers the world’s broadest range of I/O modules with which to easily and quickly integrate the exact test regimen their demanding program requires.”

Both KAD/MDC/105 scanner interfaces provide a pair of analog differential-ended inputs for scanner pressure and temperature measurements. In addition to measurement channels, the KAD/MDC/105 also provides individual 6-bit address busses and necessary power supplies. In addition, each address bus serves as a DTC scanner communication interface that can be used to set up the scanner, read DTC calibration memory, measure internal scanner excitation, and check the scanner's manifold position. The KAD/MDC/105 sequentially addresses 64 multiplexed channels of DTC pressure scanners and measures voltages to further process their outputs according to DTC algorithms based on scanner calibration data.

The [KAD/MDC/105 product sheet is available for download here.](#)

Sales inquiries: Please forward all sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For information about Curtiss-Wright Defense Solutions FTI products, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com), LinkedIn, and X @CurtissWrightDS.

### **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

###

Note: Trademarks are property of their respective owners.