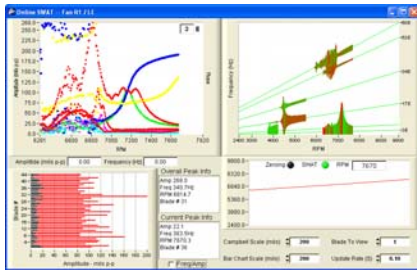


Turn-Key NSMS Systems Now Available From EDAS, Inc



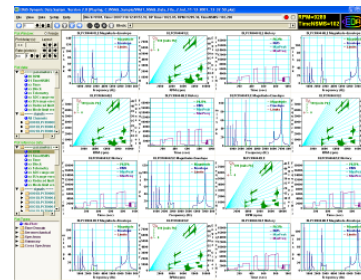
Experimental Design and Analysis Solutions (EDAS, Inc.) has just released their 16 Channel NSMS G4 Turn-Key Data Acquisition Systems. NSMS which stands for Non-interference Stress Measurement System acquires blade time of arrival measurements to determine blade vibratory deflection levels and high cycle fatigue margins (HCF).

The NSMS G4 System includes the G4F Receiver and a PC with G4M acquisition & monitoring software. The 16 channel portable receiver, the G4F (G4 Front End), accepts up to 16 channels of electrical signals and up to three different reference rotor speeds. The electrical signals can be generated from optical probes that use lasers or from non-optical probes, such as eddy current or capacitance probes. [Click here for](#)



The acquisition system includes monitoring software, G4M (G4 Monitoring), that provides easy to understand indicators of data quality and blade vibrations to ensure safe engine operation. The post processing NSMS G4 software, G4P (G4 Processing), has advanced algorithms to evaluate blade vibratory state for integral and non-integral vibrations. The processed data is stored in a format that is compatible with other EDAS post-test evaluation software, such as the Signal Boss Analysis. The post processing software is also available separately for evaluating NSMS data acquired from other acquisition systems.

The EDAS NSMS design originated as part of a US Air Force cooperative research effort with aircraft engine manufactures to develop a fourth generation (G4) blade time-of-arrival (TOA) measurement system. The design was completed in 2002 and has been extensively used on advanced development turbine engine tests. The design has also evolved to take advantage of recent increases in PC processing capability to reduce the complexity of the design and reduce the overall system cost. This commercial version of the G4 design is available from EDAS.



Contact EDAS at (931) 486-0081 for additional information, or visit their website at www.edasinc.com.



A licensed, professional engineering firm based in central Tennessee, EDAS is a provider of high-technology engineering services, dynamic data acquisition with real-time monitoring, data analysis and archival products that benefit our increasing customer base, world-wide.

Certified to ISO 9001:2000 quality standards, EDAS is continually striving to bring the highest quality products to market. Visit our web site at www.edasinc.com for more information about our products and services. You deserve to be impressedSM!