



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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Intelligent DSP-based, Two Channel, Programmable, Synchro/Resolver Simulator Now Available

BOHEMIA, NY, September 21, 2010 -- North Atlantic Industries (NAI) announces the availability of a high-accuracy, two channel, programmable Synchro/Resolver Simulator. The [5330A](#) is a full-function instrument which represents a major step forward in digital Synchro/Resolver simulation technology. The use of an intelligent DSP design eliminates push buttons and allows all programming to be done either via an integrated touch-screen, front panel USB mouse interface, or the multipurpose increment/setup knob. In addition, IEEE-488, Ethernet, USB and parallel port interfaces are provided to extend remote operation capabilities. The 5330A features an optional 6VA internal Reference Supply for stand-alone operations.

Improved flexibility is provided by two fully independent outputs that can be used to simultaneously simulate two separate Synchro/Resolver signals or can be combined to operate as two-speed outputs with support up to 6VA total. Each channel can be independently programmed for specific dynamic mode operations including Rotation (continuous or start-stop), Square, Sine and Ramp. The gear ratio for the two-speed mode is programmable from 2:1 to 255:1. The digital angular inputs can be set for one of two measurement modes; 0-360° or ±180°. The 5330A will generate output voltages from 1 – 90 VLL and will accept Reference voltages 2 – 115 VRMS over a broad frequency range (47 Hz to 10 KHz).

“The ability to generate dynamic motion in single or dual speed operation puts the [5330A](#) at the leading edge of Digital-to-Synchro simulation technology,” says Lino Massafra, V.P. of Sales and Marketing. “This provides our customers with a state-of-the-art Synchro/Resolver Simulator that is one of the most accurate yet user-friendly simulation instruments available today.”

Typical applications for the 5330A include ATE systems used for production testing, simulation systems and automated Synchro/Resolver testing in the Aerospace, Defense, Industrial and Automotive Industries. Pricing for ten pieces starts at \$10,900 each. Delivery starts at 16 to 18 weeks ARO. The 5330A is CE compliant.

North Atlantic Industries

North Atlantic Industries (NAI) is a leading independent supplier of Embedded I/O Boards, Rugged Power Supplies, Motion Simulation and Measurement Instruments for the Military, Aerospace and Industrial Industries. NAI provides the highest quality COTS and modified COTS products in Commercial, Extended Temperature and Rugged versions. Information about NAI and its products can be found at www.naii.com

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Photo Attached

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