



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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Dual-Input Synchro/Resolver Angle Measurement Instrument Now Available

*Major upgrade to industry standard 8810 provides touch screen controls,
0.001° resolution, and input autoranging*

Bohemia NY -- North Atlantic Industries (NAI) has announced the availability of a major upgrade to its industry standard 8810 instrument. The new synchro/resolver angle measurement instrument, model 8810A, directly replaces the older 8810 and provides fully-independent dual-inputs, high-resolution touch screen controls, 0.001° resolution, 0.004° accuracy, and autoranging inputs. The unit also offers an optional 2.2 VA reference supply, LXI compatibility, 47 Hz to 20 KHz operating frequency, auto-phase correction, and interface compatibility with Ethernet, USB, IEEE-488, and parallel ports.

The 8810A is a full-function instrument capable of performing most synchro/resolver evaluation, calibration and test functions on components, assemblies and systems. It automatically accepts and displays input voltages from 1.0 to 90 V_{L-L} and Reference voltages from 2 to 115 V_{rms} over a broad frequency range of 47 Hz to 20 KHz. The use of an intelligent DSP design eliminates push buttons and allows all programming to be done either via an integrated touch-screen or a mouse interface.

The 8810A can be set up to measure two independent angle inputs or multi-speed Synchros or Resolvers. The gear ratio for the two-speed mode is programmable from 2:1 to 255:1. The display can be set for one of three display modes; 0-360°, ±180°, or degrees, minutes, seconds. The unit is self-calibrating and annual verification can be done in the field.

The 8810A is available with an operating temperature range of 0°C to +70°C. Its power supply requirement is 85 V_{rms} to 265 V_{rms}, 47 to 440 Hz. Pricing for 100 pieces starts at \$5,000 each. Delivery is 8 weeks ARO.

"The 8810A gives our customers a dual-channel, programmable, synchro/resolver angle measurement instrument in an industry standard configuration," said Mike Oliveri, VP of Sales and Marketing at NAI. "They particularly like its high accuracy and resolution, touch panel controls, and internal reference generators."

North Atlantic Industries

Founded in 1955, North Atlantic Industries (NAI), an ISO 9001:2000 certified enterprise, designs and manufactures Embedded I/O (Input/Output) Boards, Power Supplies, and Motion Simulation and Measurement Instruments for the Defense and Aerospace Industries. It provides the highest quality COTS (Commercial Off-the-Shelf) and Custom products in Commercial, Extended Temperature and Full-Military versions. NAI is focused on delivering innovation, quality, and superior value for its customers. Information about NAI and its products can be found at the company's Web site at <http://www.naii.com>.

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Photo Attached

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