



**Embedded Boards • Power Supplies • Instruments**

110 Wilbur Place • Bohemia, NY 11716-2416

Tel: (631) 567-1100 • Fax: (631) 567 1823 • [www.naii.com](http://www.naii.com)

## **For Immediate Release**

**Contact:** Frank Riccobono  
North Atlantic Industries  
631-567-1100  
[friccobono@naii.com](mailto:friccobono@naii.com)

David Pinkowitz  
DCP Marketing Services LLC  
631-491-5343  
[dpinkowitz@dcpmarketing.com](mailto:dpinkowitz@dcpmarketing.com)

## **Enhanced Synchro/Resolver Angle Measurement Instrument Now Available**

### *Industry standard 8810A now includes 5 new usability features*

**Bohemia NY** -- North Atlantic Industries (NAI) has announced that enhanced features have been added to its industry standard Synchro/Resolver angle measurement instrument. The 8810A now includes 5 new usability features. It provides fully-independent dual-inputs, high-resolution touch screen controls, 0.001° resolution, 0.004° accuracy (optional high accuracy of 0.0015°) and auto-ranging 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. New features include (1) front panel analog and digital display modes (2) resolution adjustable between one-tenth-thousandth degree and one-degree (3) output angle display scaled in degrees/radians or any user programmable scale (4) angle offset of output display (5) display of last angle upon power-on.

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 Vrms over a broad frequency range of 47 Hz to 20 KHz. The use of an intelligent DSP design eliminates push buttons and allows all manual programming to be done either via an integrated touch-screen or a mouse interface. NAI provides 8810A interactive demo software that can be downloaded from its Web site.

The 8810A can be set up to measure two independent angle inputs and display them individually or as a difference angle -- or it can measure multi-speed Synchros or Resolvers. The gear ratio for the two-speed mode is programmable from 2:1 to 255:1. The unit is self-calibrating and annual verification can be done in the field.

The 8810A is CE compliant. It is available with an operating temperature range of 0°C to +50°C. Its power supply requirement is auto-ranging from 85 Vrms to 265 Vrms, 47 to 440 Hz. Pricing for 100 pieces of 8810A starts at \$5,270. Deliveries start at 8 weeks ARO.

"The 8810A gives our customers a very high accuracy, dual-channel, programmable, Synchro/Resolver angle measurement instrument in an industry standard configuration," said Lino Massafra, VP of Sales and Marketing at NAI. "They particularly like its high accuracy and resolution, touch panel controls, and optional internal reference generator."

### ***North Atlantic Industries***

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

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