



For Immediate Release

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Enhanced Synchro/Resolver Angle Position Indicator Now Available

Industry standard 8810A now includes five new enhanced user features

Bohemia NY -- North Atlantic Industries (NAI) has announced that enhanced features have been added to its industry standard Synchro/Resolver Angle Position Indicator.

The [8810A](#) is a full-function instrument capable of performing Synchro/Resolver evaluation, calibration and test functions on components, assemblies and systems. 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 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 optical mouse interface or the multipurpose increment/setup knob, providing one of the most accurate yet user-friendly angle measurement instruments available.

The 8810A now includes five new display features which enhance the user interface: (1) A simulated analog display mode, which also tracks minimum and maximum excursions, (2) A user defined digital display resolution adjustable between one-ten-thousandth of one degree and one degree, (3) Selectable output angle display scaled in degrees, radians, milliradians or a user programmable scale, (4) Displayed output angle can be offset from actual measured signal and (5) Display of last angle upon power-on.

The 8810A 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 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 can be configured 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 8810A is self-calibrating and annual verification can be done at NAI. Interactive demo software can be downloaded at www.naii.com/Angle-Position-Indicator-High-Accuracy/P196. 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 V_{rms} to 265 V_{rms}, 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.

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