

Date: December 21, 2009

**NOVATECH**

**Instruments, Inc.**

P.O. Box 55997

Seattle, WA 98155-0997 USA

*For Immediate Release*

## **Novatech Instruments, Inc. 409B/02 Low Cost Dual Frequency Synthesizer.**

Novatech Instruments, Inc. announces the Model 409B/02, a four-output, two-frequency 171 MHz Direct Digital Synthesizer (DDS) Table Top Signal Generator with 0.1 Hz frequency resolution and  $\pm 1.5$ ppm accuracy.

The 409B/02 features two phase synchronous sine wave outputs up to 171 MHz, with matching LVCMOS outputs, serial control, 500 MHz external clock input, and on-board TCXO (temperature compensated crystal oscillator), stable to  $\pm 1.5$ ppm: all in a small table-top shielded instrument case.

Based upon the Analog Devices AD9958, the 409B/02 has 32-bits of frequency resolution, 10-bits of amplitude resolution, and 14-bits of phase resolution on each of the channels. The small table top case allows the 409B/02 to be integrated into test stations and other applications requiring multiple and frequency agile outputs. When used with the external clock input, all 409B/02 units can be synchronized to a system-wide frequency standard.

The serial control with simple text commands features non-volatile storage of all settings. Menu driven control software (SOF8) is included. The 409B/02 operates from a nominal +5VDC power source using the provided AC adapter, or a customer supplied +5VDC. Up to four Model 409B/02 can be mounted in optional rack-adaptor to fit 16 outputs in a single 1U space.

Other models in the 409B family include the 409B-AC, which adds external control of the frequency updates, and the 409B, which has four independent sine wave outputs.

See the complete details on our web site: <http://www.novatech-instr.com/>

The 409B/02 is available from stock to 2 weeks for \$795.00. OEM discounts and custom versions are available.

Editorial Contact: Steven D. Swift, President  
Novatech Instruments, Inc.  
206.301.8986 (Voice)  
email: [sales@novatech-instr.com](mailto:sales@novatech-instr.com)  
WWW: <http://www.novatech-instr.com/>

enclosed: 409B/02 Color Photo, Data Sheet.

Hi Resolution Jpeg Photo: <http://www.novatech-instr.com/images/409b02.jpg/>

PDF data sheet: [http://www.novatech-instr.com/PDF\\_files/409b02\\_ds.pdf/](http://www.novatech-instr.com/PDF_files/409b02_ds.pdf/)