

Date: December 1, 2004

# NOVATECH Instruments, Inc.

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## *For Immediate Release*

### **2975AR Rubidium Frequency Standard Features 1pps Tracking and Programmable 50MHz Output**

NOVATECH INSTRUMENTS, INC. introduces the Model 2975AR Disciplined Rubidium Frequency Standard. The benchtop 2975AR features a synthesized output that can generate any frequency from 100Hz to 50MHz with a resolution of 1 $\mu$ Hz, along with the standard outputs of 5MHz and 10MHz.

The 2975AR uses a rubidium oscillator with a stability of  $\pm 5 \times 10^{-11}$  per month and uses an auto-adaptive disciplining algorithm for use with 1pps (pulse per second) sources like GPS timing receivers. A GPS disciplined 2975AR achieves accuracy levels of better than  $\pm 5 \times 10^{-12}$ , typically  $\pm 1 \times 10^{-12}$ . The 2975AR algorithm automatically calculates and stores calibration data, so it maintains a 24 hours holdover of  $\pm 1 \mu$ s even if the 1pps signal is lost. The 2975AR can be preset at the factory to specified frequencies or programmed in the field using the front panel controls and LCD display, or via the serial port.

The 2975AR list price is \$4,495. The GPS1 Smart GPS Antenna is available as an accessory for \$1,295. Delivery is stock to 6 weeks. Customized versions are available.

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

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enclosed: 2975AR Color Photos, Data Sheet and Price List.

2975AR Jpeg Photo: <http://www.novatech-instr.com/images/2975AR.jpg/>

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