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For Immediate Release

2965AR Rubidium Frequency Standard Features 1pps Tracking and Programmable 50MHz Output

NOVATECH INSTRUMENTS, INC. introduces the 2965AR Rubidium Frequency Standard. Housed in a small bench-top case, the 2965AR contains an atomic time-base with a stability of 5×10^{-11} per month. The 2965AR combines a 50MHz Direct Digital Synthesizer along with 10MHz and 5MHz outputs. The 2965AR is ideal for use as external references for laboratory instruments or as an accurate time-base for a variety of systems in industries like Telecommunications and Radar.

The 2965AR uses an auto-adaptive disciplining algorithm, requiring no user intervention or tuning, that tracks a 1pps source from a GPS1 smart antenna, or other 1pps source, and disciplines the rubidium oscillator. A 1pps derived from GPS gives the 2965AR an exceptional long-term accuracy at Stratum1 levels with 24 hour holdover of $\pm 1 \mu\text{s}$ ($\pm 1 \times 10^{-11}$).

Three front panel BNCs provide sine wave outputs of 1Vrms into 50Ω . The TTL-compatible 1pps input and output signals are on rear panel BNCs. The synthesized output is programmable from 100Hz to 50MHz in 1 μ Hz steps via an RS232 interface using simple text commands. The 2965AR is ideal for communications systems applications since it can generate 1.2288MHz (CDMA), 1.544MHz (T1), 2.048MHz (E1), 10.23MHz and 13MHz (GSM) without re-configuration or re-calibration.

The 2965AR list price is \$3,995. The GPS1 Smart GPS Antenna is available as an accessory for \$1,295. Delivery is stock to 6 weeks.

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

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enclosed: 2965AR Color Photos, Data Sheet and Price List.

2965AR Jpeg Photo: <http://www.novatech-instr.com/images/2965AR.jpg/>
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