Date: July 18, 2005

NOVATECH
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For Immediate Release

Model LPO400A
400MHz Locking Programmable Oscillator

NOVATECH INSTRUMENTS, INC. is pleased to introduce the Model LPO400A Direct Digital Synthe-sized Locking Programmable Oscillator. Based upon the Analog Devices AD9858 1GHz DDS, the LPO400A generates a low noise sinewave from 200kHz to 400MHz and ECL-level clock outputs. The output frequency is user programmable in 1Hz steps by sending simple text commands to the LPO400A over a serial communication interface. The phase of the output signal is programmable with a resolution of 14-bits. The user can save all settings in the non-volatile EEPROM memory, insuring that these will not change after the power is cycled. The LPO400A contains an internal temperature compensated crystal oscillator that is stable to better than 2ppm per year. This internal oscillator can be locked to an external frequency reference, such as a Stratum-1 clock source, to provide system accuracy and stability equal to the reference. The user can program the LPO400A to lock to any frequency reference between 1MHz and 25MHz in multiples of 8kHz, allowing lock to standard Telecom signals or to laboratory standards. Unlike other DDS based oscillators, the output of the LPO400A has no fractional frequency errors: the output steps are exact 1Hz. The LPO400A has a small footprint of only 60mm square. The small size, combined with the convenient location of the input and output connectors, makes it easy for users to mount the LPO400A directly onto their circuit board. The LPO400A requires only a single 3.3V power supply. The LPO400A is ideal for applications which require programmable frequency sources and can also replace long lead-time custom oscillators. An evaluation board is available for simplified testing.

The LPO400A sells for $395.00 in quantities of 100 units. Delivery is stock to 4 weeks ARO.

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

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attached: Acrobat Data Sheet and Low Resolution Photo

High Resolution Photo: **`http://www.novatech-instr.com/Images/lpo400ahr.jpg`**
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