



Instruments, Inc.

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For Immediate Release

Model LPO30A 50MHz Locking Programmable Oscillator

NOVATECH INSTRUMENTS, INC. is pleased to introduce the LPO30A, 50MHz Locking Programmable Oscillator Module, an extended frequency version of our popular Model LPO30.

The LPO30A generates frequencies in 1 μ Hz steps to 50MHz and will lock to and track a reference input of 8kHz to 19.44MHz in programmable 8kHz steps, which include the telecom standards of 1.544MHz (T1), 2.048MHz (E1), 4.096MHz and the instrumentation standards of 1MHz, 5MHz, and 10MHz. This makes the LPO30A a ready-made solution for recovery and redistribution of system reference clocks; especially for systems that require multiple precision frequencies. The user can select one precision master oscillator, such as a Cesium, Rubidium, or Quartz Oven at a standard frequency, and use the LPO30A to generate the other non-standard frequencies.

When locked, the LPO30A output maintains the accuracy and stability of the user reference.

The LPO30A can be programmed to operate in a free-run mode, providing an accuracy of ± 3 ppm without the need for an external reference.

Programming of LPO30A consists of sending simple text commands via a two-wire interface (RS232 at TTL levels). The programmed settings can be permanently stored in non-volatile EEPROM memory. Pre-programmed LPO30As can be embedded into systems as stand-alone components. The simple interface makes it easy to reprogram the LPO30A within these embedded applications.

The LPO30A lists for \$275 in quantities of 100 units, while an evaluation board (which includes an LPO30A) is \$795. OEM discounts and custom configurations are available.

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

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enclosed: LPO30A photo, Data Sheet and Price List.

Photo (LPO30A, Jpeg): <http://www.novatech-instr.com/images/lpo30a.jpg/>
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