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NOVATECH

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For Immediate Release

Novatech Instruments, Inc. 425A Precision 350 MHz Synthesizer and Clock Generator.

Novatech Instruments, Inc. is pleased to introduce the Model 425A, a Precision 350 MHz DDS Signal Generator packaged in a small shielded table top case. The 425A generates sine wave, LVDS, and LVC-MOS output signals simultaneously. The generated sine wave output frequency is directly programmable in 10 micro Hz steps from 250 kHz to 350 MHz and includes a built in Prescaler and Divider for generating low jitter LVCMOS clock signals down to less than 2 Hz.

The 425A uses the high performance AD9912 DDS IC which has 48-bit Frequency tuning, 14-bit Phase adjustment and a 14-bit reconstruction DAC. The high resolution DAC enables the 425A to achieve low harmonic and spurious distortion. In addition, the 425A has 10-bit Amplitude control and an internal 1.5ppm temperature compensated crystal oscillator (TCXO) that can be phase locked to an external 10 MHz reference. Locking to a reference gives the 425A the same stability and accuracy as the reference. When multiple 425A are locked to the same reference, they remain phase synchronous. A direct clock input up to 1000 MHz can also be selected.

The 425A is controlled by short text commands to the 425A serial port. Model SOF8_425 PC software is included and provides menu selections for command generation along with the ability to run a sequence of commands from a user created file.

The Model 425A sells for \$1,495 each and is available from stock.

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

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