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NOVATECH

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For Immediate Release

DDS8m 100MHz Module has 1 μ Hz resolution and 1ppm accuracy.

Novatech Instruments, Inc. announces the Model DDS8m, a 100MHz Quadrature **D**irect **D**igital **S**ynthesizer (DDS) Module with 48-bit frequency resolution (1 μ Hz).

The DDS8m features simultaneous Sine/Cos (Quadrature) and AC/MOS/TTL Outputs up to 100MHz, RS232 or parallel binary control, external clock input, master clock output and small size. The standard on-board TCXO (temperature compensated crystal oscillator) is stable to +/- 1ppm.

Based upon the Analog Devices AD9854, the DDS8m has pre-programmed Frequency Sweep, FSK, BPSK, Chirp and Single Tone modes. Forty-eight bits of frequency resolution, 12 bits of amplitude resolution and 14 bits of phase resolution are built in.

The parallel interface allows Frequency, Phase and Amplitude updates in less than 67ns. An external clock input is provided for users who wish to drive the DDS8m from their own source. The RS232 control mode features non-volatile storage of all settings.

The small size of only 8.3cm by 8.9cm allows the DDS8m to be integrated into programmable test stations and other applications requiring multiple and frequency agile outputs.

See the complete data sheet and manual on our web site:

<http://www.novatech-instr.com/>

The DDS8m is available from stock for \$575.00. OEM discounts and specials are available.

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enclosed: DDS8m Color Photo, Data Sheet, RS232 Command Sheet and Price List.

Tif Photo: <http://www.eskimo.com/~ntsales/images/dds8m.tif/>
PDF data sheet: http://www.novatech-instr.com/PDF_files/dds8m.pdf/