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Find the *Interface Technology RS-670-3* at our website: *Click HERE*

.RS-670 .. Digital Word Generator

RS-670 Digital Word Generator

Timing Control

You can program any type of waveform or generate complex clocking signals using the Model RS-670. There are two unique timing entry modes that no other generator offers. Timing Simulation allows non-periodic waveforms to be created by entering only the time value between transitions. This saves memory space and reduces entry time. Additional power and flexibility are added with the ability to enter different clock periods for each data table. The output data signal tracks this without any discontinuity.

The 40 MHz data rate satisfies both pc board test rates and intelligent IC stimulus requirements. Why pay for expensive technology that is only needed for limited measurements? The RS-670 is not only cost effective, but also provides capability to handle diverse applications.

As a source for logic stimulation, the Model RS-670 is often used with other response analysis equipment. To aid in test synchronization, up to sixteen programmable sync pulses can be set in the data memory. These help you to zero in on a specific occurrence, and they can quickly be repositioned.

Pattern Generation

The Model RS-670 provides three-level nested table looping for generation of complex clocking waveforms such as those used by Charge Coupled Devices (CCD). The data table concept is easy to set up and the output is easy to visualize. Extremely deep data patterns can be generated due to a 4095 loop counter at each level and for each data table.

In order to conserve pin count, designers are incorporating bidirectional bus structures in new integrated circuits. To stimulate these devices, you need the ability to dynamically tristate the test generator drivers. With the Model RS-670 you can control every bit on every clock cycle to interact with the UUT. Unused channels are also automatically masked so that extraneous signals do not interfere.

The Model RS-670 is modular in nature, and supports two 32-channel output/tristate cards. In the serial mode, each card provides 128K bits of data to simulate long data transmissions, or all 32-channels can be used in parallel.

Feature Summary

- **Data rates from DC to 40 MHz**
- **Memory depth from 4K to 128K**
- **3 Level nested table looping**
- **Dynamic tri-state control**
- **Up to 64 channel output**
- **Independent word timing**
- **Waveform editing software**
- **RS-232C and IEEE 488 interfaces**

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Here is a full color brochure describing the RS-670 that you can download and display on your computer monitor screen using the Adobe Acrobat Reader. Click on brochure to begin download.



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