P/N: HSVI1000

Test and Measurement Instruments

- *Versatile and Cost-effective*
- *Standard and Arbitrary Waveform Generation*
- *Microsoft Windows-based Software*
- *Reduced Testing Costs*
- *Photo-realistic Controls*

The HSVI1000 Function Generator from Hyperception is now available to provide versatile solutions for a broad range of test and measurement applications. The HSVI1000 combines the convenience of the PC and the power of a selected hardware board to provide accurate real-world signal generation. The HSVI1100 Function Generator and Waveform Synthesizer provides all of the functionality of the HSVI1000, but additionally provides arbitrary waveform generation.

The low-cost associated with these virtual instruments make them an attractive addition to any engineering test and measurement environment. When combined with a portable laptop computer, these instruments provide an ideal solution to many in-the-field applications.

There are many choices for DSP/acquisition hardware targets available for use with the HSVI1000 and HSVI1100 virtual instruments. Supported hardware ranges from standard sound cards to higher-performance DSP hardware. The maximum frequency of signal generation, and data resolution is dependent upon the choice of hardware being used.

Internet Remote

*For remote test and measurement applications, a built-in internet connectivity capability is included. This allows any two virtual instruments connected by the internet, or internal network, to talk with each other. Simply switching one of the Internet Remote front panel switches to 'Client', and the other to 'Server', allows the client instrument to take measurements from the signal sourced by the server instrument. **This feature is standard on all Hyperception Virtual Instrumentation software!***

Hyperception

HSVI1000 Function Generator

IAN

Low-cost Function Generator for PC

The Function Generator from Hyperception allows for a low-cost means of signal generation with an interface similar to conventional instrumentation

Overview

The Hyperception HSVI1000 Function Generator is a Windows-based virtual instrument that offers standard functions such as sine, square, and triangle waveform generation. The HSVI1000 is an ideal tool for many engineering applications, and is available at a surprisingly affordable price.

Functionality

The HSVI1000 was designed to provide an intuitive front panel display. Use of photo-realistic knobs, toggle switches, and pushbutton controls allows for convenient adjustment of frequency, amplitude, and offset settings. Easy-to-read digital readouts are provided to convey accurate frequency, amplitude, and offset information. A two-channel toggle switch allows for multiple channel signal generation.
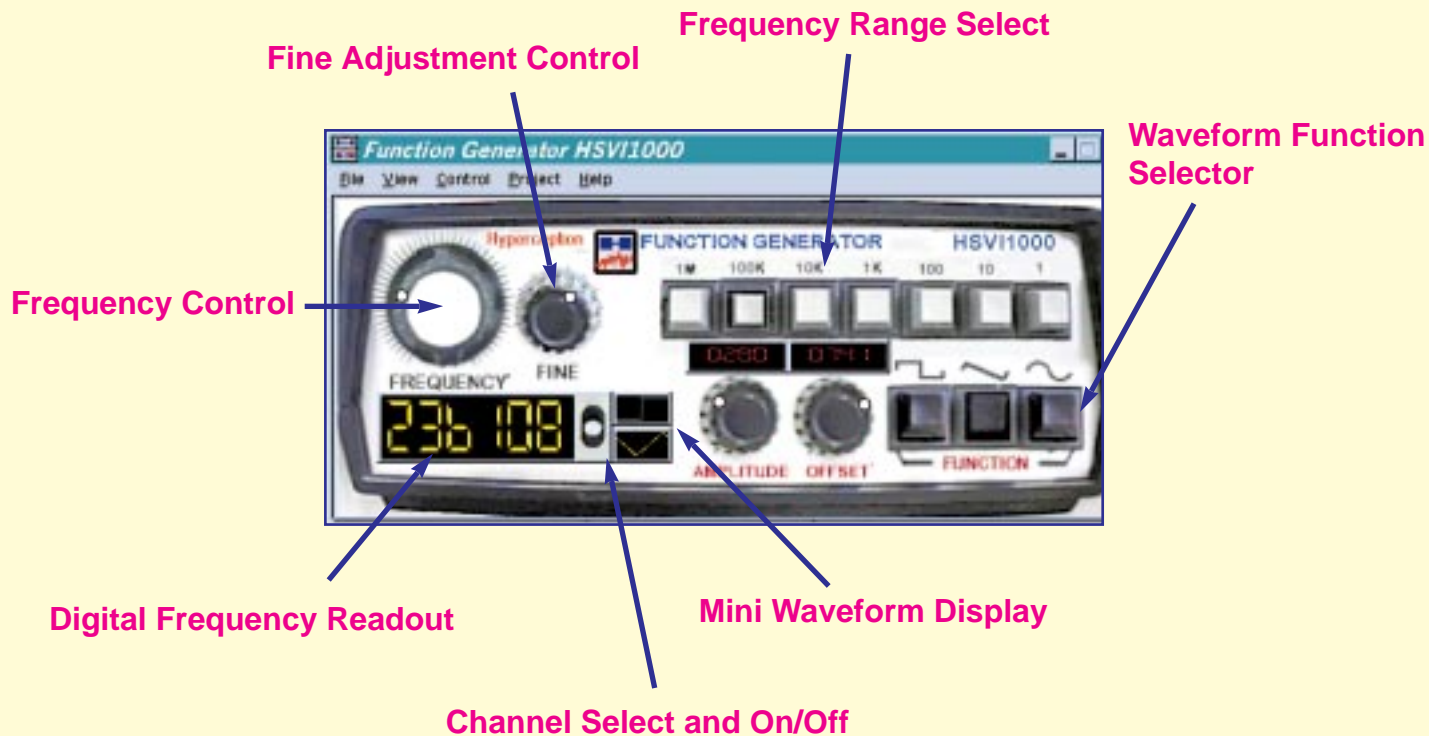
Accuracy

All waveform values are digitally calculated by the HSVI1000 function generator, and generated on a supported hardware card resident in (or external to) the PC. Performance is determined by the selection of PC-based hardware. The HSVI1000 supports a wide number of hardware boards that range from standard sound cards to high-performance DSP/acquisition hardware. Please contact Hyperception for additional information on current hardware support.

Arbitrary Waveform Generation

The HSVI1100 Function Generator and Waveform Synthesizer contains all capabilities of the HSVI1000, but in addition addresses the need for arbitrary waveform generation. By using the waveform editing feature of the HSVI1100 users can quickly create arbitrary waveforms which are then generated on the selected hardware board.

FEATURES AT A GLANCE

Fine Adjustment Control

Frequency Range Select

Waveform Function Selector

Frequency Control

Digital Frequency Readout

Mini Waveform Display

Channel Select and On/Off

Hyperception

The Leader in DSP

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Low-cost Function Generator for PC

Ordering Information

PART NUMBER:
  HSVI1000 - Standard Function Generator US $129.00

OPTIONAL CONFIGURATIONS:
  HSVI1100 - Arbitrary Function Generator US $329.00

  Please note - International Prices are 20% higher

System Requirements

PC COMPATIBLE RUNNING WINDOWS 95/NT WITH A MINIMUM 4 MB RAM, 256 COLOR GRAPHICS CARD, AND APPROPRIATE DSP/ACQUISITION CARD OR STANDARD WINDOWS SOUND CARD. 100 MHZ PENTIUM CLASS PROCESSOR OR BETTER SUGGESTED