

# VI-100 SYSTEM

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**VI-100 SYSTEM** of DASP Virtual Instruments is a multi functional hardware-software system for versatile analog signal analysis in the frequency range up to 100 MHz.

Hardware core of VI-100 SYSTEM is realized as a two-channel Digitizer B021 connected to a desktop or laptop PC. It performs digitizing of wideband analog signals in various application adapted software-selectable modes. In addition to the analog-to-digital conversion, the digitizer fulfills also functions of data buffering and interfacing to PC.

PC processes data, acquired by Digitizer B021, and the obtained results are displayed in a way typical for various instruments. The computer programs are interactive. They support functioning of the whole system as Virtual Instruments. The functions and performance of the Virtual Instruments depend on characteristics of the front-end hardware and the instrument-specific software of the VI-100 SYSTEM.

VI-100 SYSTEM is based on the advanced Digital Alias-free Signal Processing (DASP) technology making possible processing of signals digitally at frequencies considerably exceeding the sampling rate. In this particular case, the named system performs signal analysis at frequencies up to 100 MHz while the sampling rate is 50 MS/sec.

VI-100 is an open system of DASP Virtual Instruments. Various instruments could and will be added to it and customized by developing additional computer programs.

**VI-100 SYSTEM** of DASP Virtual Instruments presently incorporates:

- Signal Recorder B021-SR
- Digital Oscilloscope B021-OS
- Spectrum Analyzer B021-SA

**VI-100 SYSTEM of DASP Virtual Instruments is based on:**

- B021 Digitizer with applied software
- PC, at least 200 MHz Pentium or a higher order microprocessor
- Windows 9x/NT/2000 installed
- video adapter and monitor supporting at least 800x600 pixel @ 256 color mode
- at least 64MB of RAM, free hard disk space of at least 5MB

*Last update: Oct. 2004*

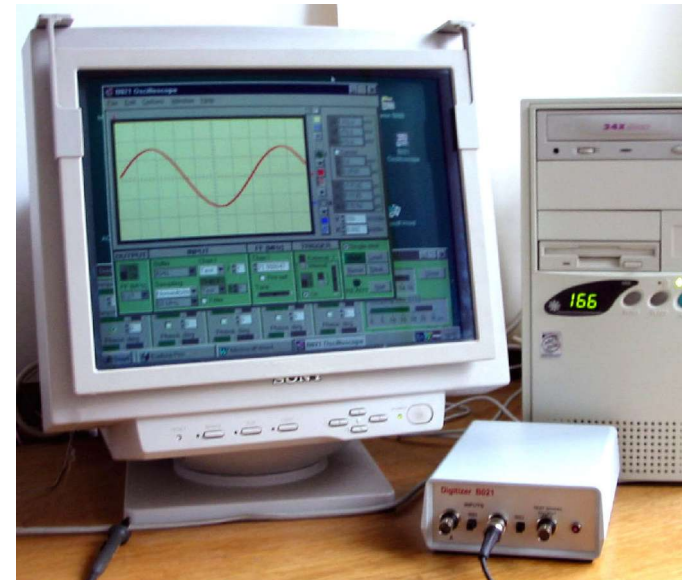
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