Snap-Master for Windows
Data Acquisition Software
For the IBM PC and Compatibles

$995

✔ **Easy-to-Use Graphical Interface**

✔ **Runs Under Microsoft Windows 3.1 or Windows 95**

✔ **High Speed Data Display and Storage**

✔ **Strip Chart, X-Y Recorder and Oscilloscope Emulation**

✔ **Integrated Data Acquisition, Analysis, Control, Plotting and Storage**

✔ **Concurrently Process Data or Post Process Data**

Snap-Master for Windows is a new generation of PC-based data acquisition, analysis, and display software operating under Microsoft Windows. Snap-Master features a graphical user interface with easy-to-use dialog boxes, graphical icons and a "pick and place" toolbox interface. Each element of a test setup is represented with an icon, and data is carried between elements through graphical data pipes. With Snap-Master and an analog-to-digital card, an IBM compatible computer becomes a data acquisition system, digital storage oscilloscope, strip-chart recorder, controller, frequency spectrum analyzer or waveform analyzer.

Snap-Master's graphical user interface is easy to learn and use. Snap-Master provides flexibility and integration of data acquisition, high-speed data streaming, near-real-time plotting, print-out options, storage and data retrieval. Some of the data collection features include:

- Operation to maximum speed of A/D hardware.

- Sample at high and low speeds. A/D sources can have different sample rates.

- Store up to 500 million data points on a one gigabyte hard disk.
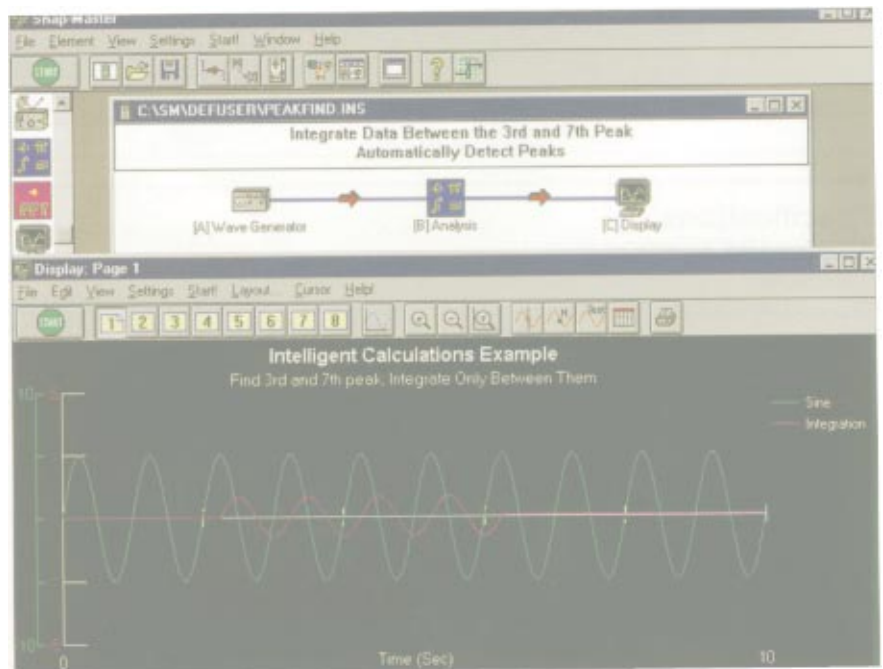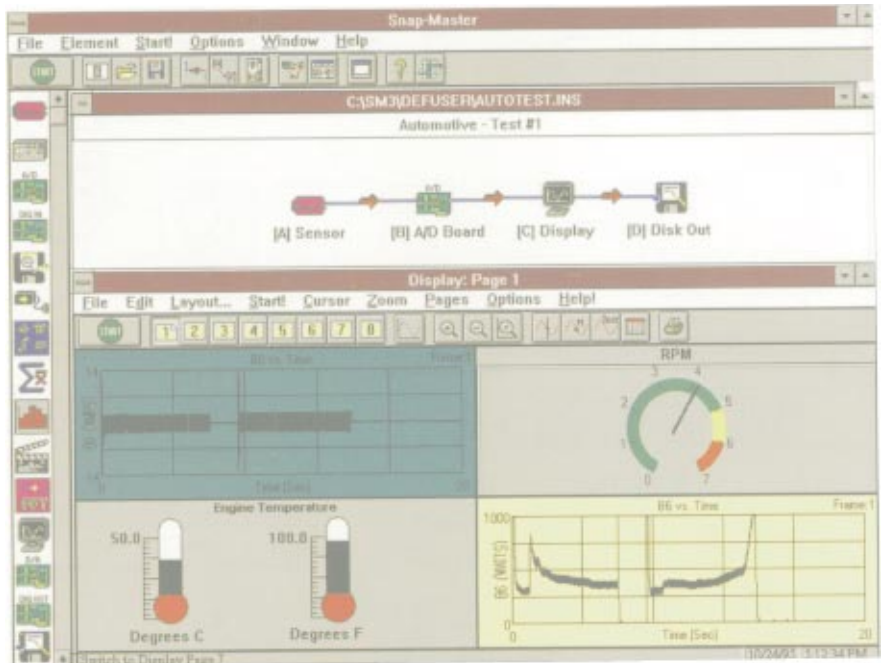
- Pace acquisition with internal or external clock.

- Synchronize the start of data sampling with digital or analog trigger.

- Database storage of information on sensors, transducers and signal conditioners.

Snap-Master's near-real time

plotting provides quick results and immediate feedback on your data. Snap Master also supports some of the industry's fastest analog I/O throughput rates. Some of the display capabilities include:

- Plot up to 100 waveforms per display page during acquisition and streaming to disk.
- Low speed waveforms may be scrolled similar to a stripchart recorder, and high speed data may be traced as an oscilloscope. Both operations can be performed concurrently.
- Plot channel versus time (X-T) or channel versus channel (X-Y).
- Overplot up to 10 channels per axis in different colors.
- Quantify data using single or dual cursors for both time and magnitude readouts in engineering units.

For added capabilities, general analysis and frequency analysis modules are also available. These modules may be used alone or with Snap-Master to form one fully integrated acquisition, analysis and control package. Highlights of the general analysis module include arithmetic, trigonometric, logarithmic and statistical functions as well as curve fitting, smoothing and autocorrelation. Decision-making is available using Boolean commands and logical IF THEN, ELSE statements. When combined with Snap-Master the analyzed results can be used for control using analog or digital output values, pausing, and storing data to disk by exception.

The frequency analysis module allows you to perform Fast Fourier Transforms (FFTs) using one of 12 available window types to calculate frequency spectrum data including amplitude and phase inverse, transfer and coherence functions, impedance, power spectrum correlation and convolution. Low-pass, high-pass, band-pass, or band-reject FIR and IIR filters are also available to remove unwanted frequencies from the data.

DataMate

DataMate is a low-cost product designed for the data acquisition user who does not need all of the bells and whistles found in a full data acquisition software program. Instead of spending a lot of time learning how to configure a complex program, DataMate has all of the basic acquisition and logging capabilities already included.

Features:

Input data from Analog input cards or existing data files.

System Requirements: 486 or better processor, 8 Meg RAM min, (16+ Meg Recommended),

Supports up to 16 channels simultaneously

Scope, strip chart, x-y recorder, digital meter and spectrum analyzer modes

Datal Logging and analog triggering, including pre-triggering.

Math functions: Addition, subtraction, multiplication, division, magnitude, forward FFT.

Statistical functions, replay data files, printouts and more.

Microsoft Windows 3.1 or Windows 95, VGA graphics capability and 10MB free hard drive space.

To Order *(Specify Model Number)*

Model No.	Price	Supported Hardware
SWD-SNMAS-1	$995	CTM-05, DAS-8, DAS-8AO, DAS-8PGA, DAS-16/16F, DAS-1600, DAS-50, DAS-58 (also with SSH-58), DAS-HRES, PIO-12, PIO-24, PIO-96, PIO-HV, UCCTM-05, UCDAS-8PGA, UCPIO12, UCPIO-24 (UC require Microchannel Bus IBM PC)
SWD-SNMAS-2	995	CIO-DAS08, CIO-DAS08PG, CIO-DAS16, CIO-DAS16/F, CIO-DAS-16/330, CIO-DAS-16/330I, CIO-CTR05, CIO-CTR10, CIO-DIO24/H, CIO-DIO48, CIO-DIO96, CIO-DIO192
SWD-SNMAS-3	995	PCL-718, PCL-818
SWD-SNMAS-4	995	OMD-5508SCi*
SWD-SNMAS-5	995	OMB-DAQBOOK-100 (also with OMB-DBK panels*), OMB-TEMPSCAN-1100* (RS-232 support only)
SWD-SNMAS-6	995	WB-800, WB-815
SWD-SNMAS-7	995	WIN-30*
SWD-SNMAS-8	995	UPC-601U*
SWD-DATAMATE	495	DATAMATE low cost data acquisition software (supports all hardware supported by Snapmaster)

Consult engineering for availability.

Accessories

Model No.	Price	Description
SWD-SMGA	$495	General analysis and control module
SWD-SNFA	495	Frequency analysis module

Comes with complete operator's manual.
Ordering Example: *SWD-SNMAS-1 Snap-Master software plus SWD-SMGA general analysis and control module, $995 + 495 = **$1490**.*