

- Easy to use
- Windows™ Based
- 33 Standard Waveforms
- 20 Math Transfer Functions
- 13 Math Operations
- Sequence Programming
- Digital Patterns
- FFT and IFFT Analysis Tools
- 8 Data Formats including ASCII (.CSV, .PRN)
- Compatible with TEGAM True Arbitrary Waveform Generators
- GPIB and RS-232C Compatible

Advanced Waveform Creation Software for True TEGAM AWGs

Versatile Waveform Solution

WaveWorks™ Pro+ is the simplest way to create, edit, upload, download arbitrary waveforms to and from your TEGAM true arbitrary waveform generator. It turns your computer screen into a virtual waveform palette. WaveWorks™ Pro+, with its extensive waveform library and complete set of design and editing tools, provides unlimited waveforms and waveform sequences when coupled to TEGAM true arbitrary waveform generators.

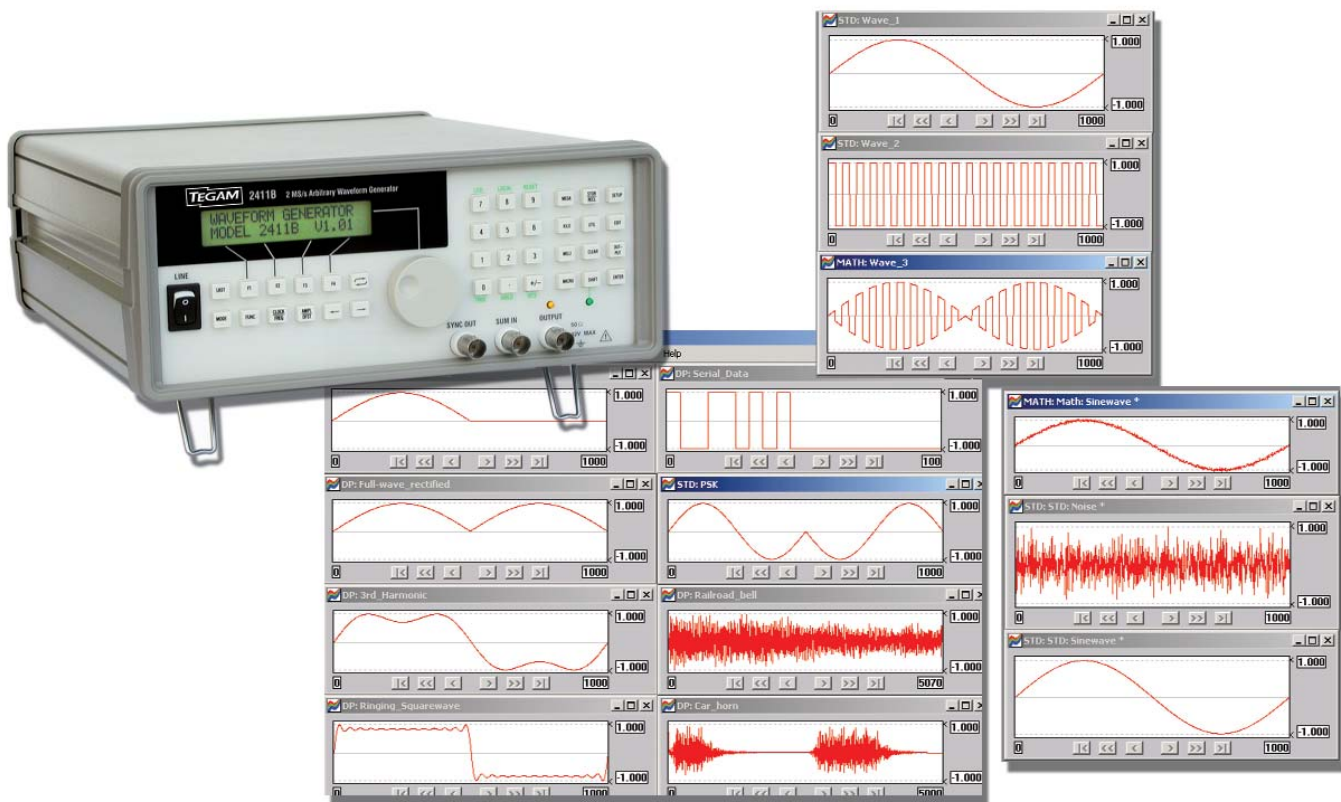
Comprehensive Waveform Design Tools

WaveWorks™ Pro+ comes with a comprehensive array of math operations and transfer functions designed to meet your most demanding wave shape requirements. As an added analytical tool, synthesis in both the time and frequency

domain is available by using WaveWorks™ FFT and IFFT routines. An instrument interface is also included to allow complete PC operation of your TEGAM true arbitrary waveform generator controls via RS-232C or GPIB Interface.

Sequence Programming

TEGAM's true arbitrary waveform generators are unique compared to competitor's waveform generators in that they have sequencing capabilities. Sequencing expands an arbitrary waveform generator's memory by linking and looping various waveform segments to produce a continuous waveform output. WaveWorks™ Pro+ can be used with any of TEGAM's true arbitrary waveform generators to easily create custom waveform sequences.



Standard Waveforms

WaveWorks™ offers 33 standard waveforms that include parameter templates to create custom waveforms for your application. The following standard waveform templates are available:

- Sine
- Cosine
- Square
- Triangle
- DC
- Ramp
- Squine
- Gaussian
- Pulse 1
- Pulse 2
- VHR Pulse
- Exponential
- SinX/X
- Hanning (SinX/X)
- FIR_LPF
- AM
- FM
- PWM
- SCM
- BFSK
- BPSK
- Lines
- NTSC
- PAL
- Comb
- LPF
- Steps
- Cardiac
- Continuous Sweep
- Step Sweep
- Burst Sweep
- Digital Noise
- Analog Noise

Math Transfer Function

20 transfer functions, including integration and differentiation, are available to process waveform data:

- Null
- Linear
- Section
- Mirror
- DC Cut
- Square
- Absolute
- Cubic
- Band Pass
- Normalize
- Square Root
- Log
- Exponential
- I-Phase
- Rotate
- Polynomial
- Integration
- Differentiation
- Q-Phase
- I/Q Swap

Math Operator

Complex waveforms are readily created by use any of the 13 different math operators:

- Addition
- Subtraction
- Multiplication
- QAM
- Division
- Convolution
- Cascade
- Into
- Add Into
- FIR Filter
- AM
- PM
- FM

Waveform Analysis/Synthesis

Frequency Domain: FFT and IFFT

Harmonics: up to 500th harmonic
Displays: graphic and tabulation
Entry: tabulation
Units: Sin-Cos (Ampl), Sin (Ampl-Phase),
Cos (Ampl-Phase),
Sin (dB-Phase), Cos (dB-Phase)

Other features: random phase entry

Time Domain: Digital Pattern

Display: graphic
Edit: mouse

Computer Requirements

Operating Systems: Windows 95, 98, XP, and 2000 Operating Systems.
PC Requirements: 486DX or better processor w/ 4 MB RAM
Interfaces: Serial - COM Port: RS-232C up to 19.2 kBaud
GPIB: National Instruments' AT-GPIB card IEEE standard 488.2-1987

WaveWorks™ Pro+ is compatible with the following TEGAM arbitrary waveform generators:
2411A, 2411B, 2414A, 2414B, 2711A, 2714A, 2416A

Ordering Information P/N 200020A



YOUR GLOBAL SOURCE FOR TEST
AND MEASUREMENT SOLUTIONS

10 TEGAM WAY • GENEVA, OHIO 44041
440-466-6100 • FAX 440-466-6110
www.tegam.com • e-mail: sales@tegam.com