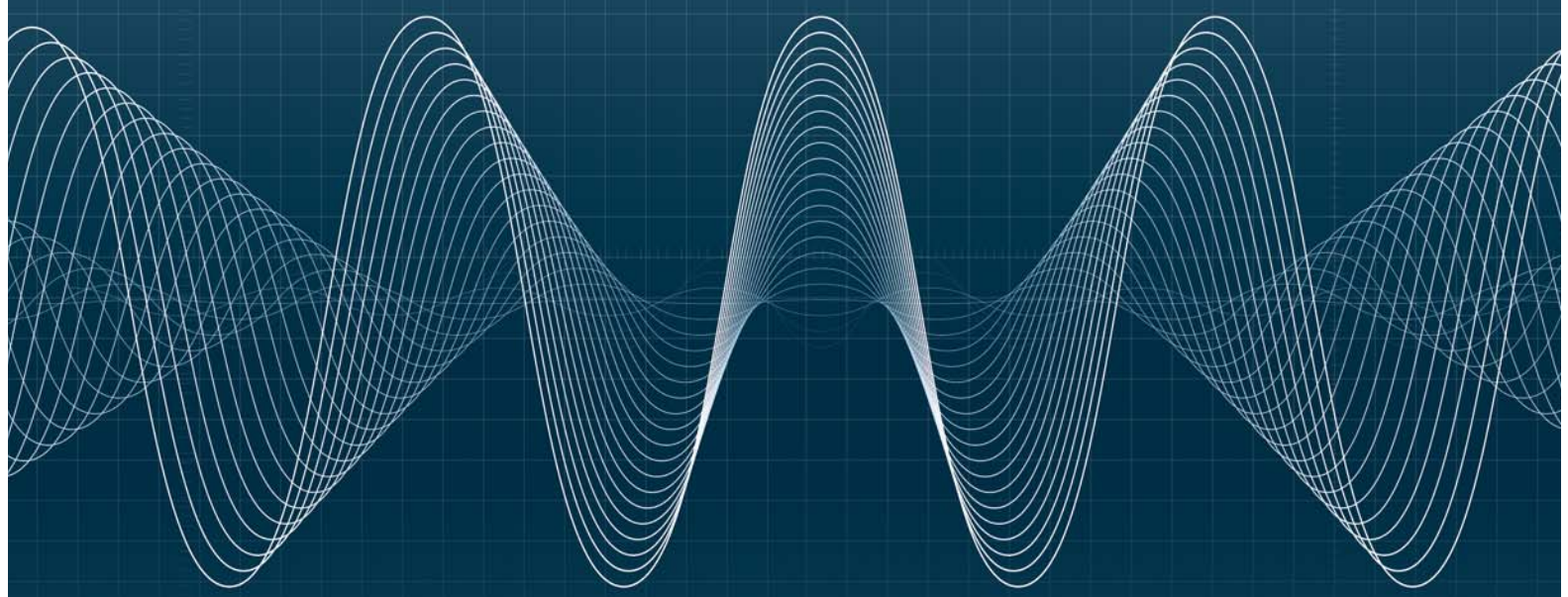


UPC Manager

Master the power of the wave



Enhanced Control of Your AC Power Source

UPC Manager Software gives you the tools necessary to quickly and easily operate your Pacific AC Power Source. With our complete, graphical interface, control all areas of your AC Power Source testing with simple presets, user prompts, Test Plans and custom reports.

Multiple Levels of Control

Only UPC Manager allows you three levels of control based on your needs and application:

UPC Control – Offers a simple and effective method by which to backup and share AC Power Source calibration and configuration data.

UPC Studio – Provides a complete graphical interface for control and monitoring of the AC Power Source Output Sequences and waveforms.

UPC Studio Test Manager – Consolidates all UPC Manager features into a single comprehensive test executive. Link together Output Sequences, operator prompts and custom reports into a single Test Plan.

Key Features of UPC Studio

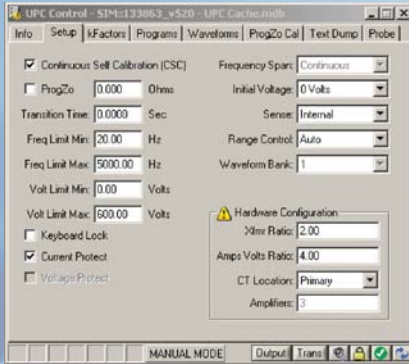
- *Monitor power source status and preview power source outputs*
- *Create and execute output sequences based on time or cycle variations of voltage and/or frequency*
- *Connect to a virtual UPC using simulation files and update settings offline*
- *Create arbitrary waveforms*
- *Write custom Visual Basic™ control scripts with embedded object references*
- *Capture and record commands and queries sent to your UPC*
- *View, print, save and/or export .csv files of UPC metered values and settings*

The Power of Expertise



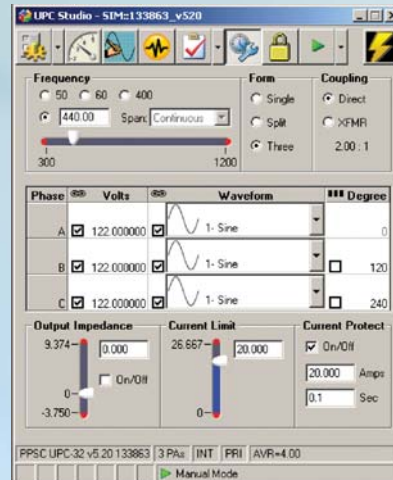
www.pacificpower.com

UPC Control Simplifies Maintenance and Backups



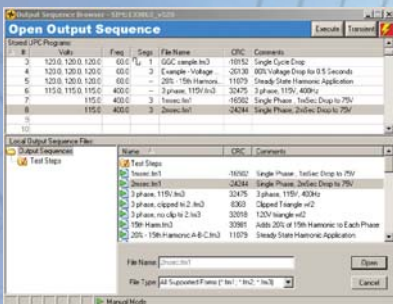
UPC Studio's "UPC Control" soft panel provides a simple and effective means by which to test UPC remote communication as well as save and restore all set-up, calibration, programs and waveforms. Backwards compatible to pre version 5.x firmware, UPC Control is provided at no charge with every Pacific Power Source.

Easy-To-Use UPC Studio Control Panel



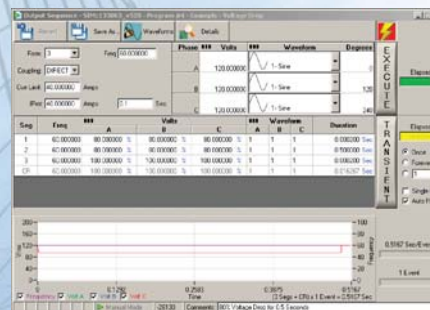
UPC Studio provides quick and easy control over the basic functions of a Pacific Power AC Power Source. Presets for 50, 60 and 400 Hz are provided for most common applications. Form, Coupling, Current Limit, Voltage and Waveforms are all easily accessed from this single easy-to-use soft panel.

Browse Output Sequences



UPC Studio's Output Sequence Browser provides the ability to easily view and transfer annotated Output Sequences (programs) between the UPC Controller and the host computer.

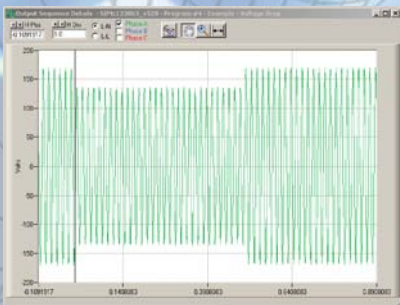
Write, Evaluate and Execute Output Sequences from a Single Window



UPC Studio's Output Sequence Editor provides a comprehensive view of all Power Source Output parameters. Steady state conditions, waveforms and associated transients are displayed. Transient values are entered as discrete values or a percentage from nominal with transient

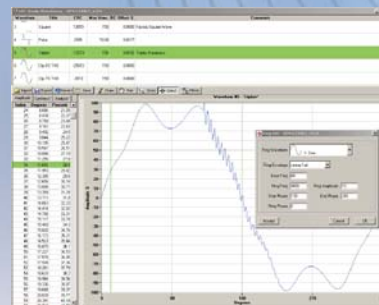
timing stated in seconds or cycles. Output graph shows envelope results of selected output transient.

Make Detailed Observations of Programmed Transient Results



Within the Output Sequence Editor is the Detailed View selection. Using the Detailed View, the operator can observe the precise timing of any transient or waveform that is to be applied to the Equipment Under Test. Details may be selected for individual phases or selected to display the line-to-line results.

Enhanced Waveform Editor



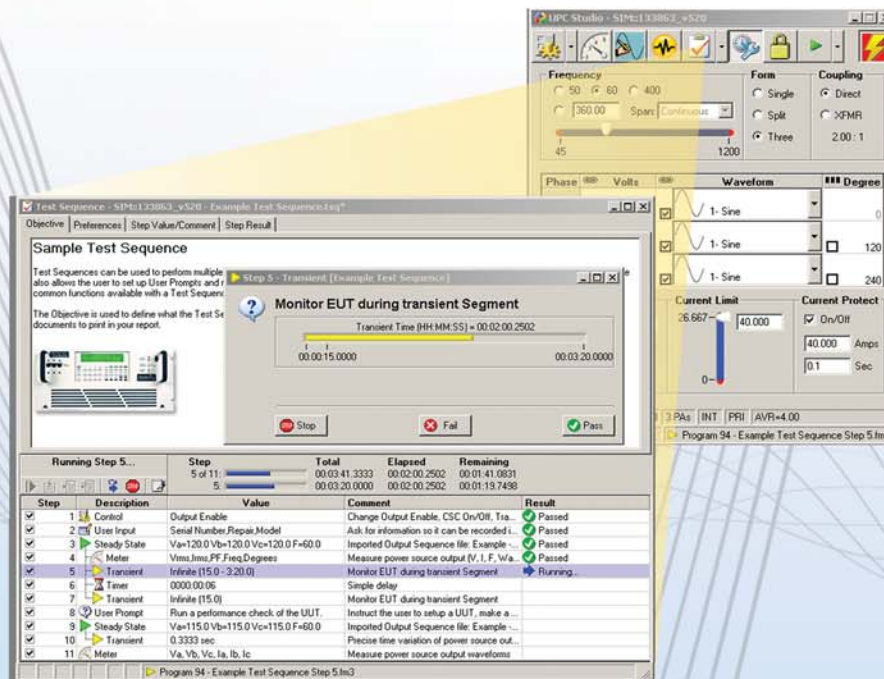
UPC Studio's Waveform Editor allows you to view all waveforms stored on your PC or within your UPC. With the Waveform Editor almost any waveform may be produced. Import waveforms captured on external instruments, Freehand draw, enter harmonic and phase angle content, create ringwaves, random noise, clipping and other custom waveshapes.

UPC Studio Test Manager

Test Manager allows you to quickly create and run Test Sequences and Test Plans. Test Sequences consist of one or more Test Steps designed to run a test, automate a task or control and monitor your power source or other instruments. Test results are stored in user-defined test reports. Test Plans manage and simplify complex tasks by allowing you to link together a series of Test Sequences into a single test routine.

Test Manager features:

- Automated instrument compliance testing and certification lets you obtain pre-configured Test Sequences and Test Plans from Pacific Power Source for a variety of standard and custom applications.
- The built-in editor allows you to create and run your own custom test sequences and test plans.
- No compiling is needed. You can run entire tests or individual steps immediately after making changes.
- Test sequences support eight built-in test Step Types, including Steady State Output, Transient Trigger, UPC Control, User Prompt, User Input, Timer, VISA (generic instrument control) and UPC Metering.



- Complete UPC metering supports waveform capture and V/I/F/Power/Harmonics. You can specify measurement functions and phases, value limits, out-of-limit behavior and data logging.
- Embedded Scripts allows you to create custom functions with full access to Test Manager objects.
- You can run an entire test or control test flow using Single Step, Run-To-Next, Run Selected, Stop or Resume. You also can disable individual steps for troubleshooting, reconfiguring, prototyping and debugging.
- With total, elapsed and remaining time indicators for the entire test and individual steps, you can monitor the progress and results of each step while the test runs.
- With custom report generation, printing and print preview, you can create report templates using MS Word with page header/footer, page/paragraph/character formatting, graphics and form fields.
- Test reports fully document and record parameters and results for each test step. Built-in error handling helps isolate the root cause of failures.

Simplify and Automate

Take Control of Your Pacific AC Power Source



UPC Studio makes it easy and convenient to take full advantage of the advanced features installed in your Pacific AC Power Source. Whether it's a quick test at a new voltage, frequency or waveform using your 3060-MS, or the application of a new power line disturbance test using your AMX Series-based test system, UPC Studio is the answer.

For the more demanding operator, your Pacific AC Power Source has now become an AC Power Test System with UPC Studio's Test Manager. You can quickly create a single event or multiple-day test. With the click of the mouse, change the output of the power source, log measured values to a file and prompt the test technician to ensure the test is performed the same way each time. Test complete? Print the detailed Test Report and you're ready to go again.

UPC Studio provides you everything you need to control your AC Power Source. Whether your AC Power Source is a shared resource or you need to maintain a record of every test performed.

Controlling your Pacific AC Power Source has never been so simple, yet so powerful.

UPC Manager Software requires power source firmware version 5.0 or greater and is free with registration to all Pacific Power Source customers. UPC Manager includes UPC Control and Metering, UPC Studio, Waveform Editor and Output Sequence Browser. UPC Studio Test Manager is offered as a cost option. Consult factory for details.

System requirements: UPC Manager/UPC Studio:

- UPC Manager requires Windows® 98/ME/2000/XP PC.
- UPC Studio requires Windows® 2000/XP.

Hardware Recommendations:

- IBM®-compatible Pentium PC, or better.
- 16MB RAM minimum (32 MB RAM recommended).

- 15 MB available hard disk space.
- 1,024x768 screen resolution.
- An available COM (serial) port or GPIB port (not required for simulation mode).
- Serial cable or GPIB interface cable (not required for simulation mode).

Recommended VISA driver: NI-VISA 3.2 for Windows® XP or later.

Recommended GPIB driver: NI-488.2.

Recommended GPIB adaptor: National Instruments™ GPIB Adapter of your choice.



AMX Series



ASX Series



MS Series



G Series

The Leader in Power Technology

As a privately held, leading manufacturer of high-quality AC Power Conversion Equipment, Pacific Power Source, Inc. offers standard catalog products that range in power from 500 VA to >625 kVA. Low-power products include line conditioners, frequency converters and Programmable AC Power Sources. High-power systems include programmable power test equipment, power line conditioners, frequency converters and uninterruptible AC Power Sources.

Founded in 1971, the Irvine, California, company was an early pioneer in the development of linear solid-state power conversion for use in high-reliability applications. The company now manufactures both advanced linear and broadband switching types of AC Power Sources.

For Application Engineering Assistance

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Consult your local PPS Representative