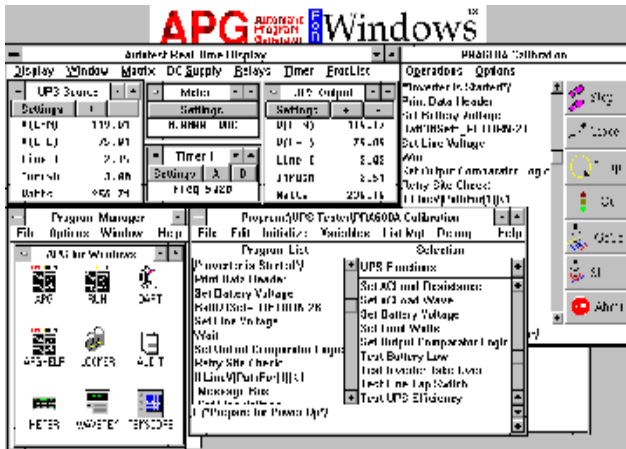


## Intelligent UPS Tester

UPS technological advancements have resulted in high performance power supplies that are less costly and easier to manufacture. Today's intelligent UPS provides computer ports, not only for network communications, but also for configuring, calibrating and testing the UPS. But is there ATE available to Calibrate and Test them? The UPT-1000 from Autotest Company provides an ideal and cost affective UPS ATE. By streamlining the technonogy of the UPT-2000, Autotest has developed a Universal UPS Tester specifically for the fully cased UPS. It starts as a Bench Top UPS ATE, with growth potential to any full rack package.



*UPT-1000 UPS Tester*



*UPT-1000* standard configurations may be used as sub-assembly or final assembly UPS testers, with the ability to automatically provide stimulus and measurement calibration and verification. With the versatility of the Windows based software, the UPT-1000 can download configuration and calibration data as part of the computer interactive UPS assembly test program. The only sacrifice from the full feature UPT-2000 is the DC bus and Battery Emulation capabilities.

The Autotest *UPT-1000* is enhanced by Autotest's *APG for Windows™*, the industry accepted multi-tasking testing software standard. This versatile and powerful ATE software package combines the power of the Microsoft's Windows platform with the flexibility and precision of Autotest's modular instrumentation systems. *Autotest's APG for Windows employs* Application Specific Language, interactive program creation, sophisticated diagnostics modules and the DART (Design and Repair Testing) real-time control and display system. These features enable the UPT-1000 to take full advantage of its instrumentation superiority. The result is a fast, user-friendly universal testing approach demanded by state-of-the-art ATE users.

### *UPT-1000 Enhancements Include:*

- **Calibration and Configuration Download**
- **RS232 Communications**
- **SNMP Communications**
- **UPS Logic Status**
- **Crest Factor AC Load Regulation**
- **On Line Efficiency**
- **Short Circuit Protection**
- **THD**

# AUTOTEST UPT-1000 Specifications:

## CONTROLLER

CPU: Industry Standard Pentium  
Memory: Dynamic RAM  
4.3G Fixed Hard Drive  
3 1/2, 1.44 MB Diskette Drive, CD ROM  
Video: 15" Super VGA Color Monitor  
Mouse: Industry Standard  
Peripheral I/O: RS 232C, parallel interface, IEEE-488 (additional parallel/serial ports, and modem available)

## MEASUREMENT SYSTEM

### *Simultaneous Line Source System*

#### *UPS Source*

RMS voltage, RMS current, peak current, peak Inrush current,  
True power

#### *UPS Output*

RMS voltage, RMS current, peak current, peak Inrush current,  
True power

### *Digital Driver / Receiver Interface*

16 Programmable drivers/receivers w/ programmable references

Optional:

DC voltage, DC current, peak current, peak Inrush current,  
6 1/2 Digit Multi-Function DMM

## SOFTWARE

**Operating System:** MS Windows 95

**APG for Windows™** High Performance Multi-Tasking  
Software System that includes such features as:

- Expandability with named Procedure and Function definitions similar to ATLAS.
- Library and data management facilities comparable to Modula-2 and DODs ADA.
- A powerful editor and complete debugging facilities with statement-by-statement inspection of an executing program.

**Design And Repair Testing (DART)** - Allows manual control of the UPT-1000 using the keyboard and/or a Mouse Providing:

- A Real Time Display of all measurement systems.
- Control of all system resources through pull down menus and dialogue windows.
- Individual Instrument Windows to provide a Multi-Media style test system control of all test instruments.

## INTERFACES

**Operator:** Super VGA monitor, Mouse control, DART instrument control, front panel switches, system power, UUT power.

**UUT:** Unit Under Test adapted with industry standard connectors in a functionally logical interface matrix.

**Selftest:** Hardware and software for full test and calibration using 6 1/2 digit system meter as traceable reference standard (optional)

## SOURCES AND LOADS

### *Solid State AC Source*

#### *Standard*

Power: 2100 VA Single Phase Auto-Transformer  
Voltage: 0 - 270 VAC  
Accuracy: ± 1VAC  
RMS Current: 10.0 A  
Peak Current: 50.0 A

#### *Optional Solid State Sources*

750 VA Single Phase	1500 VA Single Phase
3000 VA Single Phase	4500 VA Single Phase
6000 VA Single Phase	2250 VA Three Phase
4500 VA Three Phase	9000 VA Three Phase
13500 VA Three Phase	18000 VA Three Phase

### *Electornic AC Loads*

#### *Standard*

Power: 300 Watts Single Phase  
Voltage: 0 - 280 VAC  
Current: 0 - 5.0 AAC  
Frequency: 50, 60, 400 Hz  
Modes: Constant-Current, Crest Factor  
Constant Resistance, Short Circuit

#### *Optional*

Single/Three Phase - Parallel 300 Watts up to 1500 Watts  
Single/Three Phase - Parallel 1250 Watts up to 5000 Watts

## OPTIONS

Auxiliary Multi-Channel AC Load Switching  
Distortion Analyzers  
Tektronix Digital Storage Oscilloscopes  
Digital Multimeter - 6 1/2 Digit, IEEE-488 interface  
AC Power Sources - Variac/Solid State AC, 1Φ & 3Φ  
Relay Interface additions  
IEEE-488 Instruments  
Computer & Peripheral Upgrades  
SNMP Communications  
Complete Turn-Key Programs and Fixtures

# AUTOTEST

Engineered Solutions for Power Supply Testing

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