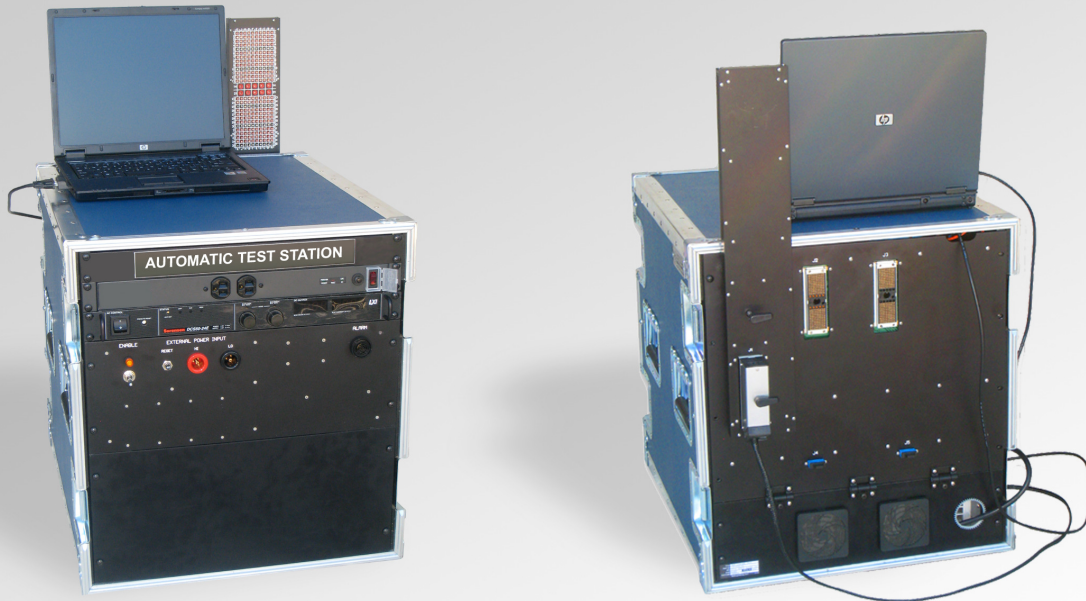


# Automatic Test Station

*Now available for Lease*



**Affordable - Proven - Reliable - Customizable**

- Eliminate the large up-front cost of developing custom ATE
- Benefit from the speed and quality of automatic test
- Our Off-the-Shelf ATS is in stock and ready for delivery
- Quickly customized to your exact requirements

PC controlled - Use your existing laptop or desktop PC  
PXI Instrumentation - Rugged and reliable  
Custom Software Interface - Easy-to-use, full-featured  
High-density ZIF connectors - Quick attachment, high mating cycles  
Breakout box - Monitor signals while connected to system  
Rugged Cabinet - Provides safe and easy transport

**For more information, contact us at: 888.388.8246**

**Our Off-the-Shelf ATS includes typical Military/Aerospace/Industrial I/O functions**

Digital Multimeter, 6-1/2 Digit · Frequency Measurement · High-Speed Digitizer Inputs, 1.8 MS/s · Analog Outputs, +/-10V  
Function Generator · Versatile Multiplexing/Switching System, 196 2-Wire Channels · General Purpose Relays, 1A to 10A  
Digital I/O · Counter/Timer Inputs · RS-232 · RS-422/485 · Gigabit Enet (fiber and wired) · CAN · MIL-STD-1553B  
DC Power: 0-50V@24A, 5V@1A, 12V@ 4A, -120V@5mA · External DC Power Input for Custom Applications - 40A

## Specifications

Specifications listed below are typical at 25 °C unless otherwise noted.

<b>Measurement System</b>	
Voltage	300 V (dc or rms) max, 6-1/2 digit
Current	1.25 A (dc or ac) max
Ohms	100 MΩ max, 2-wire & 4-wire
Waveform Digitizer	1 MS/s, ±300 Vdc, Voltage & Current
<b>Stimulus System</b>	
Analog	4X, ±10 Vdc, 5 mAdc
Function Generator	1 MHz square wave, 100 KHz sine, 2.86 MS/s, 16-bit, ±10 Vdc
<b>Switching System</b>	
Multiplexing & Routing	196X, 2-wire, 1 A, 100 Vdc/ac, 60W
Matrix	2X, 16 x 2, 0.5 A, 200 Vdc, 10W
Relay, SPST	100X, 1 A, 150 V/100 Vac, 20W
Relay, SPST	4X, 2A/30 Vdc, 0.3A/220 Vdc, 60W
Relay, SPDT	4X, 2A/30 Vdc, 0.3A/220 Vdc, 60W
Relay, DPST	10X, 8 A, 30 Vdc/250 Vac, 240W
<b>Digital I/O</b>	
Counter/Timer	2X, 20 MHz, 32-bit, TTL
<b>Busses</b>	
RS-232	4X
CAN	4X, Termination included
<b>Power Supplies</b>	
0 to 50 Vdc, 24A, Programmable, Relay Isolated, Polarity Reversal, Remote Sense	
5 Vdc, 1A, Fixed	
12 Vdc, 4A, Fixed	
-120 Vdc, 5 mA, Programmable	
External Power Inputs, 40A Circuit Breaker	

<b>Controller</b>	
PC	Desktop or Laptop
Operating System	Windows XP or 7
<b>I/O Connectors</b>	
3X high-density, zero-insertion-force connectors (expandable to 4X)	
780X 4A pins (expandable to 1040X)	
30X 9A pins (expandable to 40X)	
79X unassigned pins (expandable to 279X)	
<b>Power</b>	
Input Power	110 Vac, 15A, Single-Phase
<b>Physical</b>	
Dimensions (W x H x D)	21" x 23" x 24" (without covers) 21" x 23" x 33" (with covers)
Weight	150 lbs (with covers)
<b>Environmental</b> <i>(intended for indoor use only)</i>	
Operating Temperature	0 °C to 50 °C
Storage Temperature	-20 °C to 70 °C
Relative Humidity	10% to 80% noncondensing
<b>Typical Add-On Functions</b>	
Oscilloscope	
RS-422/485 bus	
USB	
MIL-STD-1553B bus	
Ethernet (wired)	
Digital-to-Synchro/Resolver Converter	
Synchro/Resolver-to-Digital Converter	
DC & AC power supplies	