

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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with experienced engineers and technicians on staff.

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so your equipment works exactly as you specify.

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WinTest® PCI Series Controls



Easy, Intuitive Software

Powerful, Flexible Hardware

The winning combination for *all* your test needs!

WinTest® PCI Series Controls

WinTest PCI Series Controls set the standard for dynamic mechanical fatigue testing. It includes our WinTest software and the PCI series control electronics. WinTest controls feature hardware and software that run on a desktop personal computer. The hardware is modular and can be configured to meet your unique testing needs. You can choose a simple configuration of the WinTest window for simple tests or you can use the full power of the advanced user interface to provide all the information desired for your most complicated tests.

Expandable Hardware

The WinTest product supports the PCI series control electronics as well as many third party data acquisition boards. It can be configured to run virtually any dynamic test system including electromagnetic, servohydraulic and servopneumatic technologies. In addition, WinTest PCI series controls support multi-axis simulation, environmental chambers and virtually all types of transducers.

Multi-Channel/Multi-Station Capability

Up to eight (8) actuators can be operated from the same PC to provide real-life multi-axis loading. Synchronizing and phasing between actuators and channel playback from drive files is available. Up to 64 channels of simultaneous-sample-and-hold data acquisition allows you to fully assess the specimen response. Multi-station control of up to eight (8) separate systems reduces capital investment, saving valuable lab space and unifying the operator interface.

Versatile Software

The WinTest software runs under the Windows 2000 environment and features a fully integrated display that simplifies test operation while providing advanced capabilities. Data acquisition, waveform generation and instrument control are all provided within this comprehensive package. Advanced features include adaptive control, cross-channel compensation, calculated channels and more.

Integrated Data Acquisition

Snapshot or periodic data collection can be configured in a matter of seconds. Advanced options include peak/valley capture, level crossing and more.

Powerful Waveform Generation

Periodic waveforms are quickly configured for running many fatigue tests and they can be grouped together in blocks to create more complex tests. Advanced waveform features include recreation of real-life profiles and multi-channel synchronized excitation.

Programmable

The DTL 'Builder' lets you convert test setups into macros to dramatically simplify test definition. The Designer Test Language (DTL) expands these macros into complete application programs by adding operator interface screens, additional test logic, data analysis and report generation. A Dynamic Link Library (DLL) is also available for those who prefer to create applications in other software environments such as Delphi, C++, Visual Basic, LabVIEW or MatLab.

BOSE®
Better products through research®

WinTest® PCI Series Control Electronics



The PCI-42 features:

- One to two command signals in either voltage or current output make this an excellent controller for single axis, axial/torsion or biaxial test systems
- Four channels of signal conditioning



The PCI-84 features:

- One to four command signals in either voltage or current output make this an excellent controller for multi-axis or multi-station testing
- Eight channels of signal conditioning



The PCI-80 features:

- Eight channels of signal conditioning

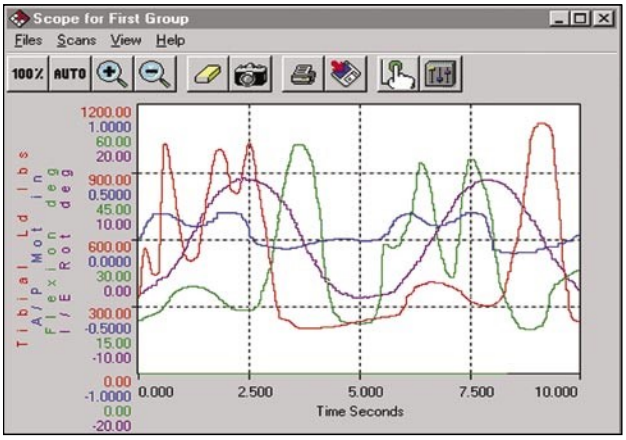
Bose Corporation's control hardware is modular and can be configured to meet your unique testing needs.

PCI Series Control Electronics

The PCI Series control electronics are the latest version of our digital control hardware featuring:

- 32-bit digital signal processing
- Closed-loop update rate up to 5 kHz
- 16-bit digital to analog conversion
- 16-bit analog to digital conversion

The user has easy access to command and data signals through the front mounted BNC connections. The many digital inputs and outputs allow easy integration to external devices as well as the ability to upgrade servohydraulic, servopneumatic or electromagnetic test systems.



WinTest Scope Function

The WinTest Scope function provides all the advanced features of the most modern oscilloscopes and more. Up to six transducer channels can be displayed simultaneously.

Power Failure Back-up

For long term or critical testing applications, the WinTest controls can interface to an uninterruptible power supply (UPS). With this option, the UPS senses a line power loss and notifies the WinTest software of the problem. The UPS then provides continuous power while the WinTest software collects and stores the most recent data, stops the test and provides a smooth system shutdown. When restarted, the test can begin where it left off without any problems.

Dynamic Mechanical Analysis (DMA)

The WinTest DMA Application Software provides an easy to use, comprehensive tool for the measurement of dynamic viscoelastic properties of materials or components under a wide range of test conditions. You can sweep dynamic amplitude, frequency, temperature, mean level and various hold conditions to measure all critical properties in one test.

Interactive Training CD and Manual

The WinTest interactive training CD features tutorials and "how to" examples, enabling new users to quickly get up to speed. Our WinTest® Software Reference Manual is available in both hard copy and an interactive PDF format. Access to the interactive PDF can be found in the HELP menu in the software. And our knowledgeable technical support team is also available to assist you with application related questions.

Control Replacements

The WinTest PCI Series Controls are compatible with older dynamic test systems. WinTest control's modular design makes it easy to upgrade outdated controls from almost any manufacturer. Call us for details on upgrading your system.

Bose Corporation -- EnduraTEC Systems Group
10250 Valley View Road, Suite 113 Eden Prairie, Minnesota 55344 USA
Email: electroforce@bose.com -- Website: www.bose-electroforce.com
952-278-3070 Phone -- 952-278-3071 Fax

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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