

Avionics

Avionics Test Bench

AEROFLEX
A passion for performance.



Avionics Test Bench is a configurable PXI platform for avionics test

- Utilizes the Aeroflex 3000 Series PXI cards
- Designed for use in product development, prototype, certification, factory test & service
- Software tools provided by Aeroflex Avionics Test Studio
- Avionics signal generation and signal analysis tools in a single chassis

Avionics Test Bench is a comprehensive, configurable test platform for avionics system and component test. The basic unit, ATB-3000, is a powerful bench PXI avionics signal generator, complete with Aeroflex integrated PC controller and touch screen display. Additional PXI card slots provide for user customization.

The inherent flexibility of PXI permits Avionics Test Bench to be offered in other ATE configurations, including as a part of larger ATE systems.

The standard version of Avionics Test Bench, ATB-3000, consists of the Avionics Test Studio signal generator software and the Aeroflex 3021C RF signal generator and 3011 synthesizer cards, installed in a chassis with integral touch-screen. Additional card slots allow customers to add special purpose cards for customized test installations.

An alternative implementation of Avionics Test Bench consists of an Aeroflex 3000 PXI chassis or

customer-supplied PXI chassis containing the Aeroflex signal generator and synthesizer cards interfaced to a separate bench or laptop PC via an interface card such as the National Instruments MXI-4. This implementation may be most suitable for customers developing full ATE systems in which Avionics Test Bench and Avionics Test Studio products form one element.

In addition to the ATB-3000 bench tester, Aeroflex will work with customers on customized ATE systems designed with Avionics Test Bench as the core architecture for large General Purpose ATE (GPATE), or low-profile ATE systems often used in labs and manufacturing areas.

Avionics Test Studio Signal Analyzer (software and PXI digitizer card) will be offered as an option to either of the above implementations.

Applications

ATE installations: In the design of ATE systems, there is a strong and growing industry move away from VXI towards smaller and faster card bus architectures such as PXI and LXI. Avionics Test Studio offers these customers a way to implement avionics test systems in PXI.

Bench Test Systems: Avionics Test Bench is ideal as a base platform for a comprehensive avionics test system, for R&D, manufacturing, troubleshooting and service. It offers unparalleled flexibility for OEMs and repair shops to adapt to their own unique needs.

See separate data sheets for Aeroflex 3000 Series PXI cards and chassis, Avionics Test Studio.

VERSIONS AND OPTIONS

Ordering

Numbers

Versions

ATB-3000	Avionics Test Bench, generator configuration includes: Chassis with integral touch-screen Integrated Windows PC ATEP-GEN PXI hardware resource package ATES-NAV Avionics Signal Generator software suite
ATB-3000-1	Avionics Test Bench alternate configuration includes: Aeroflex 3000B PXI Touch-screen chassis 3001B PXI System Controller ATEP-GEN PXI hardware resource package ATES-NAV Avionics Signal Generator software suite
ATB-3030	In addition to the standard features of ATB-3000, this configuration includes: ATEP-ANL PXI hardware resource package ATES-ANL Avionics Signal Analyzer software suite

CHINA Beijing

Tel: [+86] (10) 6539 1166
Fax: [+86] (10) 6539 1778

CHINA Shanghai

Tel: [+86] (21) 5109 5128
Fax: [+86] (21) 5150 6112

FINLAND

Tel: [+358] (9) 2709 5541
Fax: [+358] (9) 804 2441

FRANCE

Tel: [+33] 1 60 79 96 00
Fax: [+33] 1 60 77 69 22

GERMANY

Tel: [+49] 8131 2926-0
Fax: [+49] 8131 2926-130

HONG KONG

Tel: [+852] 2832 7988
Fax: [+852] 2834 5364

INDIA

Tel: [+91] (0) 80 4115 4501
Fax: [+91] (0) 80 4115 4502

JAPAN

Tel: [+81] 3 3500 5591
Fax: [+81] 3 3500 5592

KOREA

Tel: [+82] (2) 3424 2719
Fax: [+82] (2) 3424 8620

SCANDINAVIA

Tel: [+45] 9614 0045
Fax: [+45] 9614 0047

SPAIN

Tel: [+34] (91) 640 11 34
Fax: [+34] (91) 640 06 40

UK Cambridge

Tel: [+44] (0) 1763 262277
Fax: [+44] (0) 1763 285353

UK Stevenage

Tel: [+44] (0) 1438 742200
Fax: [+44] (0) 1438 727601
Freephone: 0800 282388

USA

Tel: [+1] (316) 522 4981
Fax: [+1] (316) 522 1360
Toll Free: 800 835 2352

As we are always seeking to improve our products, the information in this document gives only a general indication of the product capacity, performance and suitability, none of which shall form part of any contract. We reserve the right to make design changes without notice. All trademarks are acknowledged. Parent company Aeroflex, Inc. ©Aeroflex 2009.

www.aeroflex.com
info-test@aeroflex.com



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.