



CAL-BAY SYSTEMS

Solutions for Test, Measurement & Automation

FlexATE™ PXI-based Functional ATE Mid-Volume/High-Product-Mix Test Station



Imagine ordering your test racks with a single part number...

Low Cost Option

Priced from
\$34,950

Eight slot PXI chassis with 4 slots for expansion

Multi Function I/O Card

- 16 Analog Inputs
- Digital I/O
- 2 Analog Outputs

Digital Multimeter

- Industry's most accurate 7 ½ digit digital multimeter
- Voltage measurements from +10 nV to 1000 VDC (700 VAC)

Power Supply

- Built in voltage and current measurement
- Low ripple and noise

Relay Driver Card

- 64 channels of relay driver
- Support for NI Switch Executive
- Up to 50 VDC or 600 mA per channel

Mass Interconnect Interface

- Configurable up to 2880 signal contacts
- High reliability (20,000 mating cycle)

Add On Options

- Oscilloscope/Waveform Digitizer
- Arbitrary Waveform Generator
- Digital Waveform Generator/Analyzer
- Ultra High Density Switch Matrix
- Source Measure Unit (SMU)

... etc



Personalized with the specific instruments required for your UUTs

Cal Bay works with your test engineers to design a scalable test rack, which includes all the instrumentation, hardware and fixturing, and test software you require.

Priced from
\$89,900

High Performance Option

Oscilloscope/Waveform Digitizer

- 2 simultaneously sampled channels with 12-bit resolution
- 150 MHz bandwidth with noise and antialias filters

Arbitrary Waveform Generator

- 16-bit resolution, 200 MS/s sampling rate
- Multimodule synchronization with < 20 ps skew

Digital Multimeter

- Industry's most accurate 7 ½ digit digital multimeter
- Voltage measurements from +10 nV to 1000 VDC (700 VAC)

Digital Waveform Generator/Analyzer

- 100 MHz maximum clock rate
- 20 channels with per-channel direction control

Power Supply

- Built in voltage and current measurement
- Low ripple and noise

Ultra High Density Switch Matrix

- 512-crosspoint matrix switching in a single 3U PXI slot
- 4x128 (1-wire), 8x64 (1-wire), 4x64 (2-wire), and 8x32 (2-wire) matrix configurations

Mass Interconnect Interface

- Configurable up to 2880 signal contacts
- High reliability (20,000 mating cycle)

Source Measure Unit (SMU)

- General purpose source meter with contact check
- 5 ½ digit resolution and 0.012% accuracy

Multi Function I/O Card

- 16 Analog Inputs
- Digital I/O
- 2 Analog Outputs

Relay Driver

- 64 channels



You order your personalized test rack with a single part number.

We build it, wire together all the connections, validate it and ship a ready-to-go system to your facility.

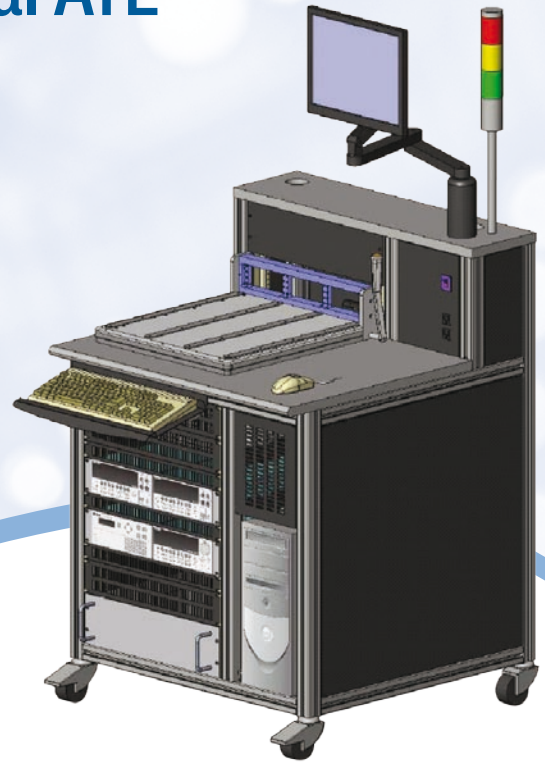
FlexATE™ PXI-based Functional ATE

Mid-Volume/High-Product-Mix Test Station

- Self-Test Fixture prevents the need for multiple Golden Units
- Maximize the ROI on your Instrumentation capital
- Personalized to your specific instrument needs

Perfect for Low or Medium Volume, High Product Mix environments

- Medical Devices
- Military and Commercial aircraft components
- Mid-sized Manufacturers of Electronic Equipment



Test Data Management System:

- ☺ Business Intelligence meets Test Data
- ☺ Our Middleware database connects your test racks with your ERP
- ☺ Out-of-the-box Six Sigma report capabilities
- ☺ Innovative “data pull technology” means that your test software doesn’t have to change
- ☺ Eliminate 75% of the time your engineers spend compiling reports

Turnkey systems or just “filling in the pieces”.
When the system is OPEN, you’re in control.

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CALBAY.COM