



**FETtest**  
*A Test Enterprises Company*



- High-performance wafer sort and final test
- Amplifiers, DC-DC converters, power management devices, and more
- Powerful software for test setup and run-time flexibility
- 96-pin analog/digital stimulus-measure
- Parallel testing up to 32 multi-sites

# AMX400

**Analog/Mixed Signal Tester**

# Economical, High-Throughput Mixed-S

The AMX400 is a modular analog/mixed-signal tester that supports a wide range of test capabilities. Offering sophisticated software for enterprise-wide test environments, and support for a wide variety of devices, the AMX400 provides high performance at an affordable price.

From wafer sort to final test, the AMX400 supports parallel testing of up to 32 multi-sites with 96 pin analog/digital stimulus/measure. The system is well suited for testing amplifiers, DC-DC converters, power management devices, and much more. A variety of additional instrumentation modules for the AMX400 allow for custom solutions, high throughput, and low cost-of-ownership.

The AMX400 features a powerful software suite for test development and production test management. Test development software offers graphical aids for automatic code generation, interactive debugging, diagnostics, and performance optimization.

For production test, the operator interface offers simple test setup, execution, and report management. In addition, the software is designed for enterprise test environments with options for centralized test development and maintenance, and test report management.

## Performance

The AMX400 is the most feature-packed mixed-signal tester in its price range. Many of the system's features can only be found on testers with a much higher price tag. These factors make the AMX400 the logical choice for production test environments requiring high-throughput, high-performance, and low cost-of-ownership.

### Performance features of the AMX400 include:

- 96-pin analog/digital stimulus/measure
- Single and multi-site parallel test (up to 32 sites)
- Intuitive operator interface
- Powerful software capabilities
- Optimized for multi-site probers and handlers



# -Signal Test

## Modularity

Optional Instrumentation devices give the AMX400 the ability to be customized to suit each unique testing requirement, and provide for increased levels of performance:

- Calibration Reference Module
- Cross Point Matrix Module
- Digital Test Head Module
- Power VI Module
- Time Measurement Unit/Pulse Generator
- Arbitrary Waveform Generator
- Waveform Digitizer



## Specifications

**Power:** 120V, 15A, 50/60Hz

**Processor:** Pentium class CPU

**Operating System:** Microsoft Windows XP

**Dimensions:** 28"W x 56"L x 54"H

### Calibration Module:

-Voltage: 100mV to 200V

-Resistance: 1ohm to 10megohm

### Voltage/Current (VI) Source Module:

-Force/Measure Voltage:  $\pm 1V$  to  $\pm 100V$

-Force/Measure Current:  $\pm 2\mu A$  to  $\pm 2A$

-Force/Measure Accuracy: 0.1% of range

### Voltage Module:

-Differential Inputs:  $\pm 100V$

-Voltage Range: 1V to 200V (autoranged)

-Accuracy: 0.025% of range

### Time Measure Unit:

-Input Voltage Range:  $\pm 10V$

-Input Impedance: 1Mohm/50ohms

-Programmable Thresholds

-Measurement Accuracy:  $\pm 500ps$

### Pulse Generator:

-Pulse Width: 20ns to 20ms in 20ns steps

-Period: 40ns to 300ms in 20ns steps

-Programmable Pulse Levels:  $\pm 10V$

**Computer Interfaces:** GPIB, Serial, Ethernet



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# FETtest

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Headquartered in Morgan Hill, CA, FETtest is a leading manufacturer of discrete and analog/mixed-signal test systems serving the global semiconductor market. For more information on the company and its products, please visit [www.fetesttest.com](http://www.fetesttest.com).



## TEST ENTERPRISES

Test Enterprises, headquartered in Sunnyvale, CA, is the parent company for FETtest. Test Enterprises also owns the Thermonics brand of precision temperature forcing systems. International sales and service for Test Enterprises are provided through an international distribution network, TEST Inc. Asia, and through regional service representatives. TEST Inc. Asia is a wholly-owned subsidiary of Test Enterprises and has offices in Singapore, China, and Seremban, Malaysia, as well as multiple regional service representatives throughout the Asia/Pacific rim.

**For more information on the company and its products,  
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