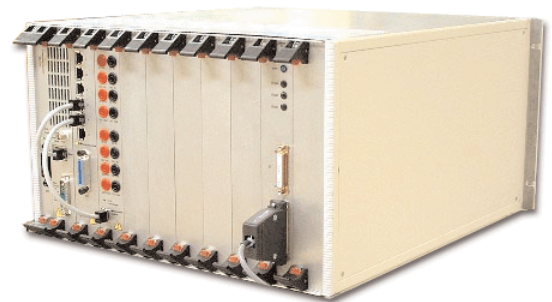


# Power Supply Test for Commercial Manufacturers

ATE Systems

- Fast and Flexible Functional Test
- Open Architecture Hardware IEEE/VXI/PXI
- Professional 32bit Windows™ Test Software
- Customised Hardware and Software
- Full Turnkey Solutions
- Worldwide Support Network



In any high volume-manufacturing environment, high test speed is essential to maximise throughput and control the overall cost of test. Intepro's new Intepro 9000 architecture has been designed specifically to meet these demands.

A combination of newly designed hardware and advanced software techniques means the test time for a power supply can be reduced to its theoretical minimum. To improve throughput even further, recent additions to the Intepro product range include; dual well fixturing, machine vision, and automated handling, each one designed to reduce operator intervention time.

## Intepro 9000 Test System Configurations

Intepro 9000 is the next generation power supply test system for comprehensive testing of AC-DC and DC-DC Converters. It is fast and accurate and will cut your test times dramatically. The modular system offers a highly cost effective solution for high volume, fast throughput test areas. It can also be configured for design characterisation, pre-production and smaller volume production test.

## AC/DC Test Systems

Comprising modular system architecture Intepro 9000 offers any combination of sources and loads along with a highly integrated measurement module that performs all standard measurements. Primarily aimed at production line testing, Intepro 9000 can also be configured for design characterisation, pre-production and repair or rework applications.

The Intepro 9000 system has a high degree of flexibility and is capable of being configured into highly cost effective systems for advanced power electronic test. Fully pre-configured bench-top and free-standing cabinet formats are available.

## DC/DC Test Systems

From simple low cost single 19" rack solutions capable of testing UUT's with up to 6 outputs to fully configured cabinet systems with convenient front panel to facilitate high speed fixture replacement, Intepro has targeted the Intepro 9000 solution at the high volume commercial market.

The single rack solution is ideal for laboratory based design characterisation and/or repair applications. Depending on power levels the input DC source can be mounted inside the rack. Combined with loads and a measurement module, this mini system configuration allows full use of the features of PowerStar 5 to create and debug test programs offline.

Where speed of test is essential, dual-well fixturing, machine vision or automated handling systems are available. Requirements specific to the DC/DC market, such as measurement of current at low values and lower output voltages have also been designed into the solution.

### Typical Applications

- PC power supplies
- High volume converters for consumer products
- Low to medium AC/DC power supplies
- Distributed power front-end AC/DC converters
- Encapsulated linear AC/DC converters
- External AC/DC converters
- Universal input switch mode converters
- Non-isolated DC/DC regulators
- Surface mount DC/DC converters

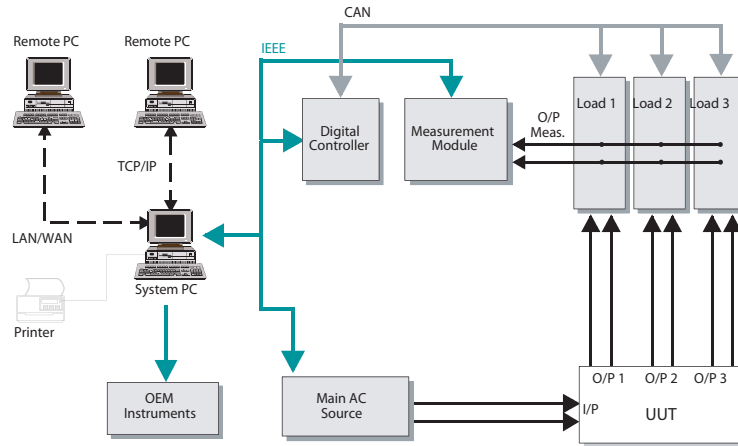
### Typical Tests

- Safety testing
- Current limit
- Power
- Input current
- Timing delay
- Source drop out
- Undervoltage protection
- Stop voltage

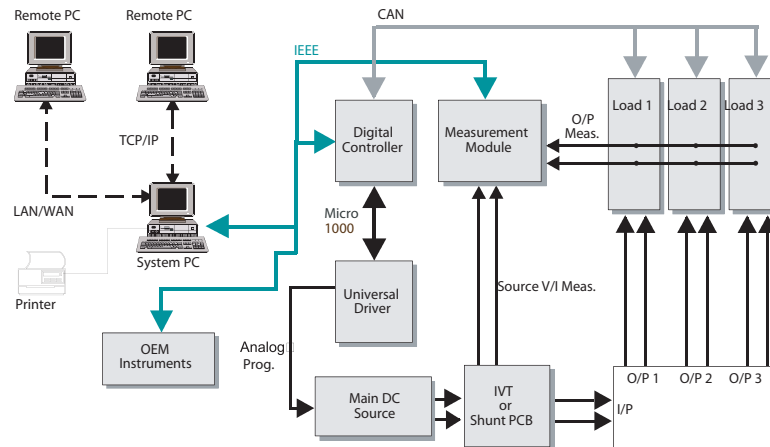
### High Volume PSU Production

- Start voltage
- Operating voltage limit
- Short circuit tests
- Regulation
- Ripple/noise
- Efficiency
- Start up test
- Hold up time

## AC/DC



## DC/DC



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