INTEPRO SYSTEMS

simplifying Power Supply Test

I9100lx1
Intepro Systems are used by power supply users and manufacturers all over the world to meet their design, manufacturing and quality control needs. Our knowledge and expertise in commercial power supply testing led to development of the new 9100lxibench-top test system—a fast, accurate and comprehensive functional test of AC-DC and DC-DC converters.

The 9100lxib is specifically designed for the high volume, low power applications. Its small, bench top cabinet (<1 m³) and Ethernet control allows for distributed integration into your production lines at a price that lets you install as many systems as required.

Its distributed measurement system and Intepro’s Ripple/Noise measurement allows for test speed in seconds (UUT dependent) not minutes. A combo AC and DC source makes allows one test station for both AC-DC as well as DC-DC convertors.

PowerStar™ 5—The Standard in Test Software

Key to the systems flexibility is Intepro’s open software platform, PowerStar 5. PowerStar 5 allows test programs to be independent of the hardware. This allows for programs developed on the engineering stations to be sent to the production floor with minimal or no changes to the programs.

The test executive supports fast TPS development with and without writing test code. Over 120 power supply test routines make test programs a simple drag and fill in process. Major time saving features include:

- Fill-in-the-blanks test program generation using predefined tests.
- Family testing lets a single test program to be used for an entire series of power suppliers.
- Variables as well as numeric values are supported so tests can be more universal
- Users can customize library tests or generate their own special tests.
- Standard test libraries included comprehensive control of test sequence execution including ‘for_next’ and ‘while_end’ loop controls.
- Virtual Applications so users can customize the test screens to the operators’ local language and production instructions.
- Results output in SQL or MS Access® data files for easy integration into the user’s production and quality management system.
SMALL FOOTPRINT, AC AND DC SOURCES, UP TO 5 OUTPUTS AND 1000W

FAST TEST SPEEDS AND FAMILY TESTING MAKES IT IDEAL FOR HIGH VOLUME AND HIGH MIX PRODUCTION

Low cost solutions for your power test needs

CONFIGURABLE TO YOUR TEST NEEDS

Modular and expandable

Loads can be paralleled for higher power outputs

Standard Configuration allows for fast out-of-the box test start up

WEB CONNECTED

The standard Ethernet interface lets users direct connection to the company VPN or LAN for centralized database and test programs.

PowerStar 5 Software

PowerStar 5 runs on any XP Pro or Windows 7 (2010) compatible computer with Ethernet interface.
Intepro Systems 9100lxi

Modular design for testing AC/DC or DC/DC power supplies up to 1000 W

<table>
<thead>
<tr>
<th>Source</th>
<th>AC and DC Output</th>
<th>DC Loads</th>
<th>2 Standard, 5 maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>1500 VA, Single phase</td>
<td>Modes</td>
<td>Constant current, voltage, power and resistance modes and pulsing</td>
</tr>
<tr>
<td>Voltage</td>
<td>0-150 / 0-300 VAC rms</td>
<td>Voltage</td>
<td>0.5—75 VDC</td>
</tr>
<tr>
<td>RMS Current</td>
<td>13.0 / 6.5 Arms</td>
<td>Current</td>
<td>0-4 / 0-40 A</td>
</tr>
<tr>
<td>Peak Current</td>
<td>40 / 20 Apk</td>
<td>Power</td>
<td>200 W</td>
</tr>
<tr>
<td>Frequency</td>
<td>16—1000 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC</td>
<td>1000 / 500 W</td>
<td>OV Source</td>
<td>OVP Source / DC Source 2</td>
</tr>
<tr>
<td>Voltage</td>
<td>0-200 / 0-400 VDC</td>
<td>Voltage</td>
<td>0-35 / 0-60VDC dual range</td>
</tr>
<tr>
<td>Current</td>
<td>0-3.25 / 0-3.25 A</td>
<td>Current</td>
<td>0-2.2 / 0-1.3 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power</td>
<td>80 W</td>
</tr>
</tbody>
</table>

Measurement System

- 4-1/2 Digit distributed measurement system for DCV, ACV, Power, Peak Current. Measurements on each source and load for faster test speeds. (Optional 6-1/2 Digit DMM with switch matrix)
- RMS and PK-PK Ripple (30Mhz maximum BW) with spike rejection and bandwidth selection. Ripple/Noise switch to each output. Pk-Pk limit test for improved test speeds.

Represented By: