NT 800-1 – flexible tester for aerospace vehicles

System design:
- Distributed test systems consist of a base unit (control unit and measurement electronics) and TPU s (Test Point Units), which contain the test points. The remote controlled TPU s can be arranged as satellites around the UUT.
- High modularity in hardware and software
- Later test point expansion on „plug and play“ principle
- Large variety of application specific test point interfaces

System benefit:
- Reduction of serial production costs
- High degree of automation in test program generation
- Verifiable coverage of the relevant standards, e.g. DIN EN 2283
- Reduction of the adapter cable lengths up to 70 %

Usage especially for the test of extra large scale UUTs
- Pre- and final-assembly of aerospace vehicles like airplanes, helicopters and satellites
- Supplying industry of components like fuselage parts, wings, tail planes, galleys and their (sub-) cable harnesses etc.
- Flexible usage inside the test facility; centralized and decentralized arrangement of TPU s possible

Ensuring of your product quality by high system availability

The high reliability of the adaptronic test systems, our quick response service and more than 30 years of experience make a convincing contribution to the quality assurance of your products.
# NT 800-1 System Overview (Example)

## Basis units

<table>
<thead>
<tr>
<th>Type</th>
<th>9 RU</th>
<th>20 RU</th>
<th>25 RU</th>
<th>43 RU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particular feature</td>
<td>Under table installation</td>
<td>Movable cabinet</td>
<td>Movable cabinet</td>
<td>Movable cabinet</td>
</tr>
</tbody>
</table>

## TPU types

<table>
<thead>
<tr>
<th>Type</th>
<th>LRU</th>
<th>TPU8/6</th>
<th>TPU 16/4</th>
<th>TPU 32/8</th>
<th>TPU 192/43</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. test voltage</td>
<td>1300 VDC / 750 VAC</td>
<td>1300 VDC / 750 VAC</td>
<td>1500 VDC / 1060 VAC</td>
<td>1500 VDC / 1060 VAC</td>
<td>1500 VDC / 1060 VAC</td>
</tr>
<tr>
<td>Max. no. of test points</td>
<td>128 (max. 1,024)</td>
<td>1,024</td>
<td>1,024</td>
<td>2 x 1,024</td>
<td>12 x 1,024</td>
</tr>
</tbody>
</table>
**NT 8001 Possibilities (Excerpt)**

### Interfaces
- USB
- Ethernet
- Pin Number Probe

### Insulation test
- up to 1500 VDC / 1060 VAC

### Function test

### External programming station

### Mobile operating panel

### Remote maintenance

### Test Point Interfaces selectable

### Wetted test

### Open Wire Probe OWP02

### Fault location and repair

### Intelligent adapter cables

### Data import

### Testing and programming with NT Control

### Reporting
- Documentation
- Measurement values
- Temperature
- Humidity

### Printer

### File

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