IHT II
Integrated Hot Tester

- Fully controlled test temperature at PCB level
- High volume
- Easy width adjustment
- Easy fixture exchange
- SMEMA Compatible
# IHT II
## Integrated Hot Tester

<table>
<thead>
<tr>
<th>PCB Specification</th>
<th>Bottom side reference only</th>
<th>With top to bottom reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB Width:</td>
<td>50 - 261 mm</td>
<td>50 - 261 mm</td>
</tr>
<tr>
<td>PCB Length:</td>
<td>60 - 430 mm</td>
<td>80 - 390 mm</td>
</tr>
<tr>
<td>Contact area depends on fixture kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB Ratio:</td>
<td>0.8 (length ≥ 0.8 x width)</td>
<td></td>
</tr>
<tr>
<td>PCB Thickness:</td>
<td>&gt; 0.8 mm</td>
<td></td>
</tr>
<tr>
<td>Component Height (top side):</td>
<td>max. 80 mm</td>
<td></td>
</tr>
<tr>
<td>Component Height (bottom side):</td>
<td>max. 40 mm</td>
<td></td>
</tr>
<tr>
<td>PCB Edge support:</td>
<td>2.0 - 4.5 mm adjustable</td>
<td></td>
</tr>
<tr>
<td>PCB Weight:</td>
<td>max 2.5 kg</td>
<td></td>
</tr>
</tbody>
</table>

## Process
- Test temperature: 50 - 125 °C
- Oven temperature: 50 - 125 °C
- Accuracy of temperature: ± 2 °C
- Temperature control: Adjustable
- Method of heating: Convection of Hot Air (Recirculating)
- Number of conveyors: 1 front rail fixed, 2 sections
- Transport system: Chain transport
- Transport speed: max. 300 mm/sec friction free roller
- Profile change: 10 min for ± 20 °C
- Cool down time (fixture exchange): typical 10 min
- Heat up time: typical 25 min (85°C)

## Technical specification
- PCB Exchange time: typical 10 sec (product dependent)
- Press down force: 3 kN
- Contacting method: Bottom, Top, Single Stage
- Location PCB stopper: Fixture (optional transport)
- Transport speed: max. 700 mm/sec
- Transport height: 940 - 965 mm SMEMA, Hermes prepared
- Transport direction: L = R, R = L (to be specified at time of order)
- 19” Mounting space for electronics: 10 HE
- Change-over time for fixture: < 1 min (top & bottom) excluding cool down / heat up
- Protection screens: ESD Safe
- Controller: Omron PLC
- Energy requirements: 3 x 400 V + N, 63 kVA
- Compressed air: 6 - 20% bar, according to DIN ISO 8573 3.4.5
- Color: RAL 7035 ESD
- Dimensions (L x D x H): 3,750 x 1,200 x 1,670 mm excluding signal tower (1960mm)
- Software: Interface DLL, Optional CPC
- Standards: CE Approved

## Options
- Automatic width adjustment
- 2nd Handler
- Heavy duty transport (< 3.5 kg)
- 1-2D reader on import