S&A

W-2810 OSCILLATOR PERTURBATION
TEST SYSTEM

- Automated, software-based oscillator,
  VCXO and TCXO temperature test system
- Measures frequency over temperature
- Parameter and curve fit characteristics
  are checked against easy to define QC limits
- Oscillators of different frequencies can be
  tested in a single temperature run
- All data is published in a
  Microsoft Access™ data base
- Data can be exported to Microsoft Excel™
  for custom data analysis
- Oscillator part number can be used to set
  complete measurement parameters, QC limits,
  temperature test points and data printouts

- Chamber holds eight 64-position
  measurement boards for a total of 512 parts
- Socket PCBs available include 2.0x2.5, 2.5x3.2,
  3.2x5, 3.5x6, 5x7, 5x7.5, 9x14, DIP (full & half)
- Measurement boards available for LVDS,
  PECL, ECL, CMOS, and TTL devices
- Sub PPB measurement

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Oscillator Frequency Range</td>
<td>10 KHz to 1 GHz</td>
</tr>
<tr>
<td>Temperature Stability</td>
<td>± 0.1° C</td>
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<tr>
<td>Temperature Uniformity</td>
<td>± 0.6° C</td>
</tr>
<tr>
<td>Temperature Range:</td>
<td>-55° C to 85° C (LCO₂)</td>
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<tr>
<td></td>
<td>-65° C to 85° C (LN₂)</td>
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SYSTEM CONFIGURATION

- S&A 4350 Option 1 Temperature Test Chamber (LCO₂ or LN₂)
- Eight position card cage and backplane PCB
- Frequency Counter
- DUT Power Supply
- Computer
- S&A MFC-100 Card
- National GPIB Card
- Windows ® based System Software

SAMPLE REPORTS

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