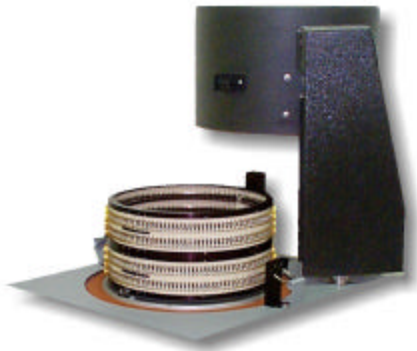




W-2200B TEMPERATURE TEST SYSTEM

With 250B-1 or 250C Network Analyzer

- Automated software based quartz crystal temperature test system
- Measures over 75 different parameters
- Parameter and curve fit characteristics are checked against easy to define QC limits
- Crystals of different frequencies can be tested in a single temperature run
- All data published in a *Microsoft Access*™ data base and can be exported to *Microsoft Excel*™ for custom data analysis
- Crystal part number can be used to set complete measurement parameters, QC limits, temperature test points, and data printouts
- Printouts are generated using *Crystal Reports*®



- Accommodates two dual row test wheels with extended life test head contacts
- Easily loaded S&A proprietary sockets accept HC-45, HC-49, HC-43, HC-49US, HC-18, SMD and tubular type packages
- Typically holds 508 devices per run

SPECIFICATIONS

| | |
|--------------------------------|--|
| 250B-1 Frequency Range: | 15 KHz to 220 MHz |
| 250C Frequency Range: | 15 KHz to 500 MHz |
| Frequency Correlation: | ± 1 ppm* at series (typical) |
| Crystal Power: | 1 nW to 1000 uW (1 MHz to 50 MHz) 1 nW to 500 uW (>50 MHz to 200 MHz) |
| Temperature Stability: | ± 0.1° C |

* Proprietary measurement and calibration algorithms provide correlation to industry standard crystal measurement equipment.

SAUNDERS & ASSOCIATES, LLC

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SYSTEM CONFIGURATION

- S&A 250B-1 or 250C Network Analyzer
- Windows® based System Software
- S&A 2451 Switch Controller
- Printer (Optional)
- S&A 4220 Temperature Test Chamber (LCO₂, LN₂, or Mechanical Refrigeration Cooling)
- Computer Requirements:
Minimum 500 MHz Pentium III
One full PCI slot with +3.3V & 5V power,
Windows 98®
- IEC-444 Pi-Network Test Head

SAMPLE REPORTS

SAUNDERS & ASSOCIATES, LLC