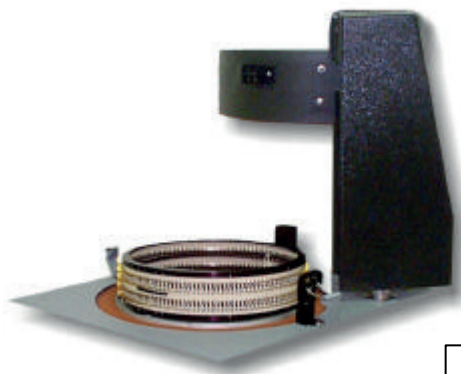


- Automated, software-based quartz crystal temperature test system
- Measures over 75 different tests
- Parameter and curve fit characteristics are checked against easy to define QC limits
- Crystals of different frequencies can be tested in a single temperature run
- All data is published in a *Microsoft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



- Accommodates dual row test wheel 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 254 devices per run
- Dual Chamber configuration available

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.

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SYSTEM CONFIGURATION

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

SAMPLE REPORTS



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