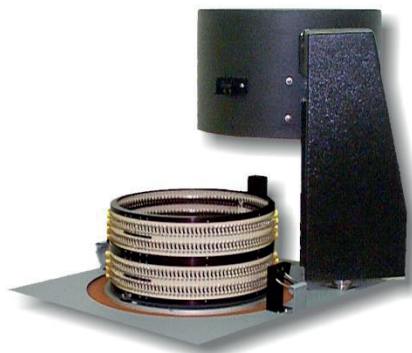


- Automated software based quartz crystal temperature test system
- Measures over 75 different parameters
- Parameter and curve fit characteristics are checked against easy to define QC limits
- Crystals of different frequencies can be tested in a single temperature run
- All data published in a *Microsoft 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-2 Frequency Range:

15 KHz to 220 MHz

250C-2 Frequency Range:

15 KHz to 400 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-2 or 250C-2 Network Analyzer
- S&A 2451 Switch Controller
- S&A 4220 Temperature Test Chamber (LCO₂, LN₂, or Mechanical Refrigeration Cooling)
- IEC-444 Pi-Network Test Head
- Windows® based System Software
- Computer Requirements:
Windows XP Pro® (32-bit) with Intel uP and PCIe slot
-OR-
Windows 10 Pro® (64-bit) with Intel uP and PCIe slot

SAMPLE REPORTS



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