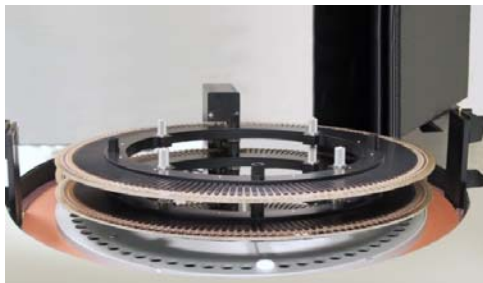


- Automated, software based quartz crystal temperature test system
- Up to 2 disc pallets can be stacked
- Standard SMD sizes available include:

SMD TYPE	DISC CAPACITY	TOTAL CAPACITY/ PER CHAMBER
5 x 7mm	140	280
4.5 x 8mm	140	280
3.5 x 6mm	160	320
3.2 x 5mm	160	320
2.5 x 4mm	160	320
2.5 x 3.2mm	160	320
2.0 x 2.5mm	160	320
HC-49USMD	100	200
Leaded	100	200

- Custom SMD Sizes available
- Disc pallet platform can be easily integrated into dedicated machine for automatic loading / unloading SMD devices
- 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 and can be exported to *Microsoft Excel*™ for custom data analysis
- Printouts are generated using *Crystal Reports*®
- Dual chamber configuration available

SPECIFICATIONS

250B-1 Frequency Range:
250C Frequency Range:

15 KHz to 220 MHz
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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