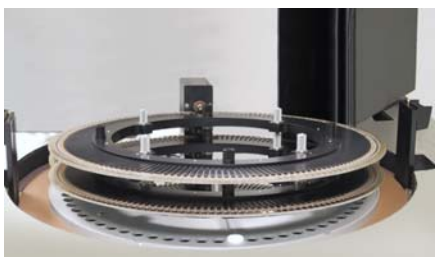
S&A

W-2200 LOW FREQUENCY CRYSTAL DISC PALLET TEMPERATURE TEST SYSTEM

- **Automated, software based quartz crystal temperature test system for low frequency crystals**
- **Up to 2 disc pallets can be stacked**
- **Standard sizes available include:**

TYPE	DISC CAPACITY	TOTAL CAPACITY/ PER CHAMBER
DST-520, DST-621	160	320
DMX-26, DMX-26-S	160	320
DMX-38	100	200
SM-26F-A, SM-26F-B	160	320
SM-14-J	160	320
Leaded	100	200

- **Custom sizes available**
- **Typical watch crystal measurement time of only 2 seconds**
- **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 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*™**
- **Dual chamber configuration available**

SPECIFICATIONS

150K Ohm Test Head Frequency Range:	10 KHz to 400 KHz
Frequency Correlation:	± 1 ppm* at series (typical)
Crystal Power:	1 nW to 1 uW into 20,000 Ohms
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 Network Analyzer**
- **S&A 2451 Switch controller**
  (only required in dual chamber configuration)
- **S&A 4220 Temperature Test Chamber**
  (optional LCO_2 LN_2 or Mechanical Refrigeration Cooling)
- **S&A 150K Ohm Test Head**
- **Computer Requirements:** Minimum 500 MHz Pentium III, one full PCI slot with +5V & 3.3V power, and Windows 98
- ***Windows*** **® System Software**
- **Printer (Optional)**

SAMPLE REPORTS

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