

S&A

250C 500 MHz NETWORK ANALYZER

- High speed computer controlled network analyzer
- Fully featured graphical software for quartz crystal, ceramic resonator and network analyzer measurements
- Typical crystal measurement in less than 150ms
- Extensive drive level dependency measurements at 10ms per point
- Over 40 different crystal parameter measurements
- Precision FL measurements
- Multiple spurious sweeps
- Test fixtures available for SMD, leaded, blank and low frequency crystals
- All data is published in an ODBC compatible data base in real time
- Custom printouts can be created using *Crystal Reports*[®] (optional)
- Optional OLE interface available for custom C++ and Visual Basic applications



SPECIFICATIONS

Frequency Range:	15 KHz to 500 MHz
Frequency Correlation:	+/- 1 ppm* at series (typical)
Typical Crystal Power:	100 pW to 1000 uW (1 MHz to 50 MHz) 1 nW to 500 uW (50MHz to 200 MHz)
Channels:	Two
Computer Requirements:	Minimum 500 MHz Pentium III, one full PCI slot with +5V & 3.3V power, <i>Windows 98</i> [®] or <i>Windows XP</i> [®]

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

SAUNDERS & ASSOCIATES, LLC

2520 E. Rose Garden Lane - Phoenix, Arizona 85050 USA (602) 971-9977 FAX (602) 971-5522
E-Mail sales@saunders-assoc.com - World Wide Web <http://www.saunders-assoc.com>

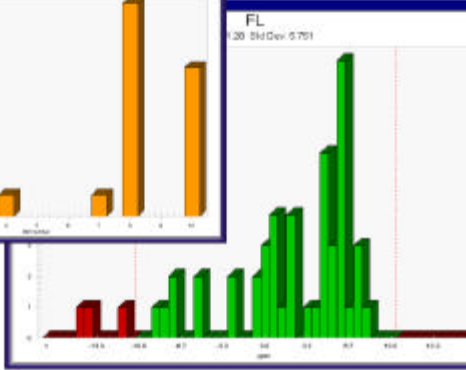
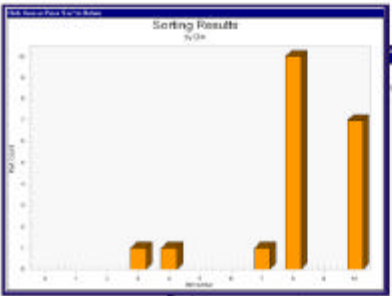
Graphical Displays

Reference F_r: 11062100 Hz
 Mode: Measured FL
 Reference CL: 10.00 pF
 Power Applied: 100.00 μW into 25.0 Ohms

Port A	FL	CL	RR	Q	CT	L	TS	FR	PWR
	ppm	pF	Ohms	k	F	mH	ppm/pF	ppm	μW
100	-2.3	4.9	8.4	77	22.2	9.32	50.4	-754.2	79
99	0.5	4.9	8.6	74	22.5	9.23	50.9	-760.4	80
98	-0.7	4.9	16.4	40	22.2	9.36	50.1	-751.6	101
97	-1.6	4.9	8.3	78	22.2	9.34	50.3	-753.4	78
96	-1.6	4.9	8.4	77	22.2	9.34	50.3	-753.5	79



250C Network Analyzer
 Saunders & Associates, Inc. © 2003
 Revision X.XX



Frequency Sweep at 10.0 dBm

Sweep Setup:
 Power: 10.0 dBm
 Start: 1684000, Stop: 1675000
 Center: 1679500, Span: 11000
 Points: 200, Averages: 10

Graph:
 Autocall Amplitude
 Autocall Phase
 Mainize
 Sweep

SAUNDERS & ASSOCIATES, LLC