STANFORD RESEARCH SYSTEMS

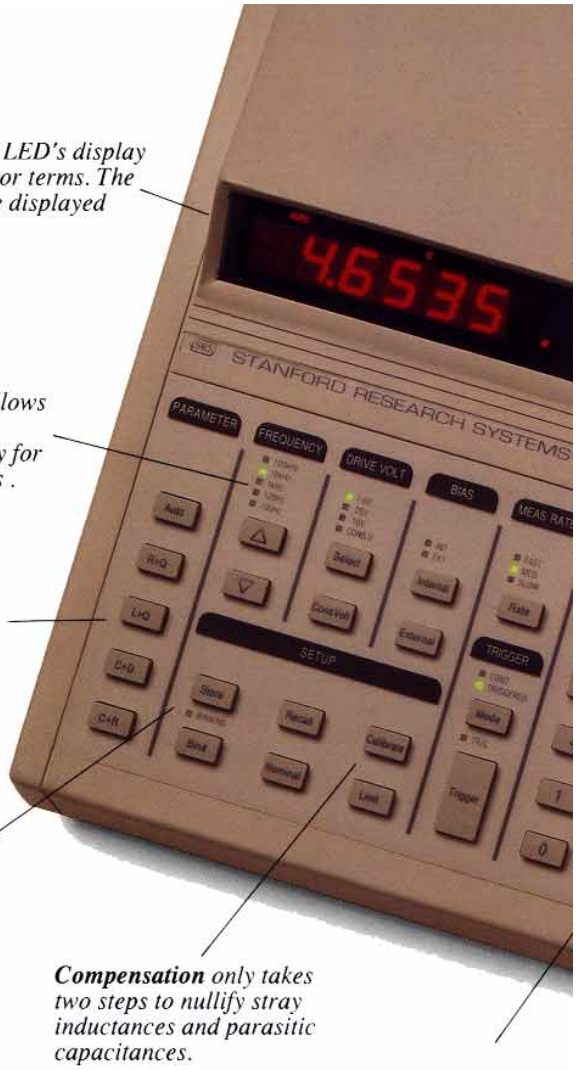
LCR Meters

LCR METERS

SR720

SR715

- **0.05 % basic accuracy - SR720**
- **0.2 % basic accuracy - SR715**
- **100 Hz to 100 kHz measurement frequencies (SR715 to 10 kHz)**
- **Auto, R+Q, L+Q, C+D, C+R, series and parallel measurement modes**
- **Two 5 digit displays show major and minor parameters**
- **Internal and external bias**
- **Binning and limits for production testing**
- **RS232 interface standard**
- **IEEE-488 and Parts Handler interfaces optional**



Large, *easy to read LED's display both major and minor terms. The parameter types are displayed above each value.*

Frequency *selection allows the user to choose the measurement frequency for all types of components .*

Major and minor *parameters may be automatically selected or chosen by the user.*

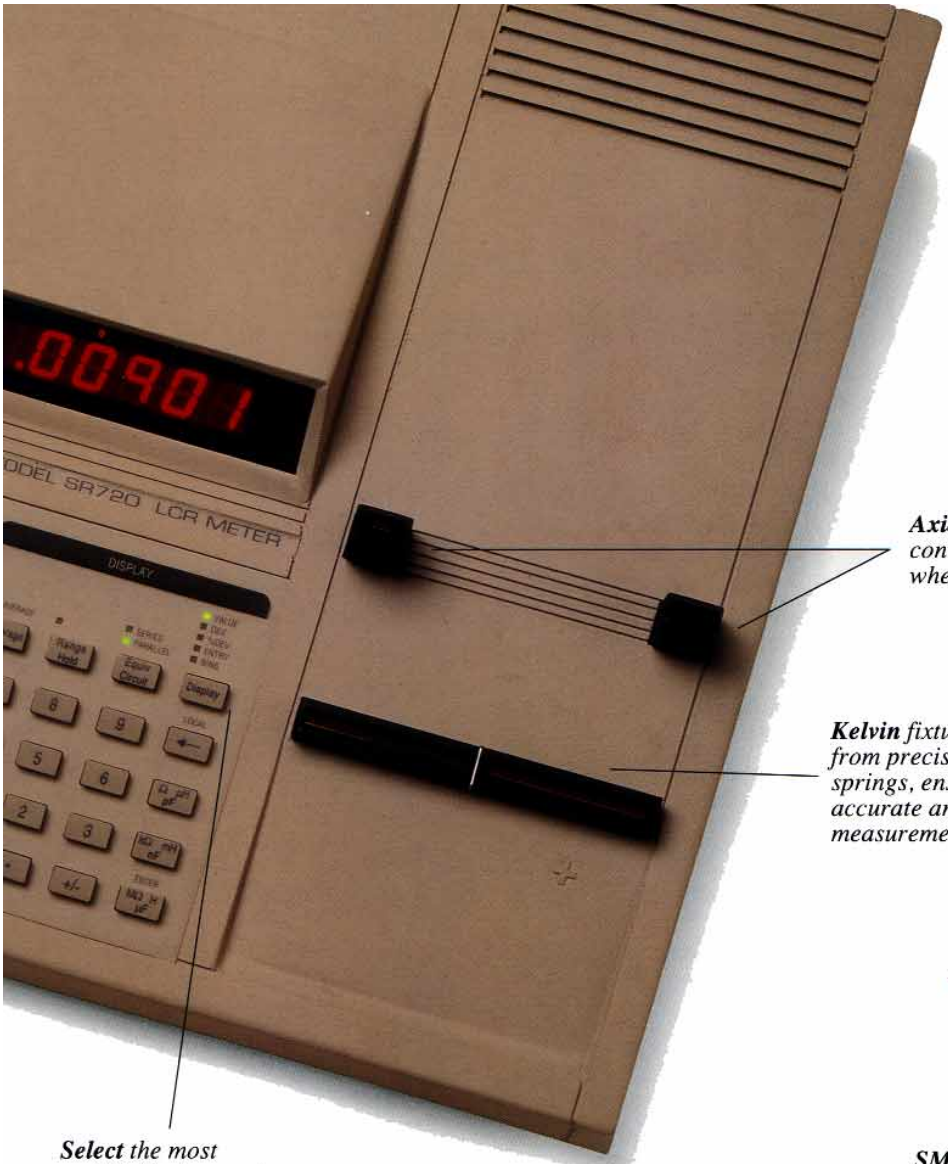
Binning limits *are easily entered from the front panel. Up to 9 complete setups may be stored and recalled.*

Compensation *only takes two steps to nullify stray inductances and parasitic capacitances.*

Numeric keypad *for entering nominal values, bin limits, and calibration references.*

Meet the new family of LCR Meters from Stanford Research Systems. The SR720 and SR715 make fast, accurate measurements of resistance, inductance and capacitance at test frequencies up to 100kHz. With multiple drive voltages, variable bias, and a choice of industry standard interfaces, these meters offer new levels of performance and value.

Five selectable measurement frequencies (four on the SR715), drive voltages adjustable from .10 to 1.0 Volt and internal or external DC bias provide the flexibility required to measure a wide range of components. Measurement rates of 2, 10 and 20 per second are available and up to 10 measurements may be averaged to yield a single result. Measurements can be continuous or triggered. Triggering is either from a front panel key press, a computer interface command or from the handler.



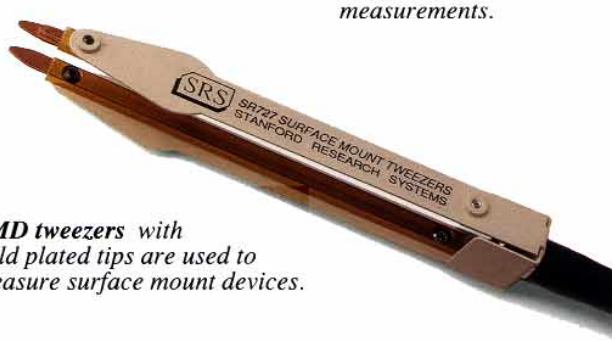
Fixture adapter *mounts on the Kelvin fixture to provide a four wire BNC connection. External stray impedances are easily zeroed.*

Axial *lead holders are conveniently stored when not in use.*

Kelvin *fixture is made from precision BeCu springs, ensuring accurate and repeatable measurements.*

Kelvin clips *simplify the measurement of large or non-standard packages and in-circuit component measurements.*

Select *the most useful display - value, average, deviation, % deviation, or bin number.*



SMD tweezers *with gold plated tips are used to measure surface mount devices.*

Both instruments feature a built-in Kelvin test fixture ensuring accurate measurements. Fixture compensation is performed quickly and easily from the front panel. Precision four wire measurements of resistance, inductance or capacitance, and Q, R or D completely characterize components.

Adapters are available to measure almost any component - SMD tweezers for surface mount devices, Kelvin clips for large or in-circuit devices and a BNC fixture adapter for custom fixtures.

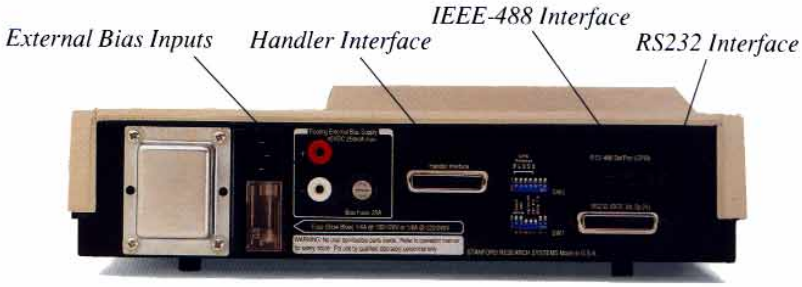
The SR720 and SR715 are also well suited for incoming inspection and quality control applications, with automatic binning and limit features, a standard RS232 interface and an optional IEEE-488 and Handler interface. Bin limits are either entered using the keypad or downloaded from a computer. Both overlapping and adjacent bins are supported. Measurements may be displayed in the most useful format; bin number, average, and deviation or % deviation from nominal. Up to nine different instrument configurations may be stored in non-volatile memory making setup changes a snap.

The new LCR meters from SRS. Providing a better measurement value. For more information, or to place an order, call SRS today at **(408) 744-9040.**

Specifications

SR720 and SR715 LCR Meters

Measurement Modes	Auto, R+Q, L+Q, C+D, C+R.
Equivalent Circuit	Series or Parallel.
Basic Accuracy	SR720: 0.05% SR715: 0.2 %
Measurement Range	R: 0.0001 Ω to 2000 MΩ L: 0.0001 µH to 99999 H C: 0.0001 pF to 99999 µF
Test Frequency	100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz (SR720 Only).
Measurement Rate	2, 10, or 20 per second (Slow, Medium, or Fast).
Averaging	1-10 measurements.
Drive Voltage	Preset levels of 0.10 V, 0.25 V and 1.0 V. Vernier adjustable from 0.1 V to 1.0 V with 50 mV resolution.
Internal Bias Voltage	2.0 V
External Bias Voltage	Up to 40 V DC.
Connections	Radial and Axial Kelvin (4 wire) fixture provided.
Zeroing	Automatic open and short circuit compensation.
Input Protection	Up to 1 Joule stored energy (for charged capacitors).
Binning	Up to 10 definable bins, adjacent or overlapping.
Display	Two 5 digit LEDs. R, L, C, Q, D, Δ, %Δ and Bin #.
Interface	RS232 included, IEEE-488 and Parts Handler optional.
Triggering	Continuous, manual or remote via IEEE-488, RS232 or Handler interface.
Stored Setups	9
Power	20 Watts, 100/120/220/240 VAC, 50/60 Hz.
Dimensions	13 1/2" x 4" x 14" (W x H x D)
Weight	10 lbs.
Warranty	One year parts and labor on materials and workmanship.



Ordering Information

LCR METERS

SR715
SR720

OPTIONS

Option 01	IEEE-488 and Parts Handler Interfaces
SR726	Kelvin Clips
SR727	Surface Mount Tweezers
SR728	BNC Fixture Adaptor

SRS

STANFORD RESEARCH SYSTEMS

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