

LCR Meters

SR715 and SR720 — LCR meters with RS-232 interface



SR715/SR720 LCR Meters

- **0.05 % basic accuracy (SR720), 0.2 % (SR715)**
- **5-digit display of L, C, R and Q or D**
- **Test frequencies to 100 kHz (SR720)**
- **Up to 20 measurements per second**
- **Binning and limits for part sorting**
- **External capacitor bias up to 40 V**
- **RS-232 computer interface**
- **GPIB and Parts Handler interfaces (opt.)**

The SR715 and SR720 LCR Meters measure passive components with as little as 0.05 % error. These easy-to-use instruments are quick to setup, adjust and calibrate. The SR715 and SR720 are ideal for applications such as incoming inspection, quality control, automated test and general benchtop use.

Front-Panel Display

A 5-digit LED display shows measured values, entered parameters, instrument status and user messages. When making measurements, the major parameter (L, C or R) is shown on the left display and the appropriate minor parameter (Q, D or R) is shown on the right display.

Making Measurements

Measurements can be performed at test frequencies of 100 Hz, 120 Hz, 1 kHz, 10 kHz and 100 kHz (SR720 only). A built-in drive voltage can be set to preset values (0.1, 0.25 and 1.0 V) or adjusted from 0.1 to 1.0 V in 50 mV increments.

Measurements are taken at rates of 2, 10 or 20 samples per second. Consecutive readings can be averaged between two and ten times for increased accuracy. Both series or parallel equivalent circuit models of a component are supported. Capacitor measurements use either the internal 2.0 VDC bias or an external DC source of up to 40 volts.

