

## Digital LCR Meters

### Model 878B and 879B Hand-Held LCR Meters

B&K Precision's 878B and 879B 40,000 count L/C/R hand-held meters are designed for measuring inductance, capacitance, and resistance components. Simple to operate, the instruments not only take absolute parallel mode measurements, but also series mode measurements. The meters provide direct and accurate measurements of inductors, capacitors, and resistors with different testing frequencies. Front panel push buttons maximize the convenience of function and feature selection such as data hold, maximum, minimum and average record mode, relative mode, tolerance sorting mode, frequency, and L/C/R selection. The test data can be transferred to PC through a mini USB connection with free downloadable software or with SCPI commands.



Model 878B

- ▶ 40,000 Count Primary Display
- ▶ LCD Backlight (with 879B)
- ▶ 10,000 Count Secondary Display
- ▶ Fast Auto Range Design for Rapid, Easy Component Measurements
- ▶ L/C/R/Z Primary Measurements (Z with 879B)
- ▶ Static Recording (MAX/AVG/MIN)
- ▶ D/Q/θ/ESR Secondary Measurements (θ/ESR with 879B)
- ▶ Data Hold
- ▶ Selectable Test Frequencies of 100 Hz, 120 Hz, 1 kHz and 10 kHz (100 Hz and 10 kHz with 879B)
- ▶ Auto Power Off Options
- ▶ 0.5% Basic Accuracy
- ▶ Dual LCD Display
- ▶ Parallel and Series Measurement Modes
- ▶ Mini USB Interface (Cable Included)
- ▶ SCPI Compatible
- ▶ 3-Year Warranty

Stock No.	Mfr.'s Type	Description	EACH
70146257	Model 878B	Universal Hand-Held LCR Multimeter	248.98
70146258	Model 879B	Deluxe Hand-Held LCR Multimeter	298.98

### Model 875B — LCR Meter

The rugged 875B LCR is a reliable easy to use workhorse that will measure inductors, resistors and capacitors quickly and accurately. Utilizing special circuitry, the measurement more closely replicates true in-circuit measurements. Ten range resistance range measures to 0.001 zero adjust removes leads resistance.



- ▶ Inductance: 0.1 μH to 200 H
- ▶ Capacitance: 0.1 pF to 20,000 μF
- ▶ Dissipation Factor Measurement
- ▶ Resistance: 1 MΩ to 20 MΩ
- ▶ 3 1/2-Digit LCD Display
- ▶ 3-Year Warranty

Stock No.	Mfr.'s Type	Description	EACH
70146312	Model 875B	LCR Meter	224.99

## Component Tester Accessories

Stock No.	Mfr.'s Type	Description	Compatibility	EACH
70146139	TL08C	WireKelvin Test Leads	875B, 878B, 879B, 885 and 886	83.00
70146292	TLLCR	Component Tester Test Leads	875B, 878B and 879B	10.00
70146138	TL885B	4-Wire Test Lead	885 and 886	55.00
70228284	TL8SM	SMD Tweezer Probe w/ Blade Style Socket	875B, 878B, 879B, 885, 886 and 889B	35.00

## Handheld Digital Capacitance Meters

### Model 810C — Capacitance Meter

The Model 810C Capacitance Meter is a compact capacitance meter, designed for accurate measurement of capacitive components. It features direct plug in test sockets and test lead jacks. A zero adjustment knob is also provided to "zero" test lead capacitance.



- Features**
- ▶ 3 1/2-Digit LCD Display
  - ▶ Measures Capacitance to 20 μF
  - ▶ Nine Ranges from 200 pF to 20 μF
  - ▶ 0.1 pF Resolution
  - ▶ Low-Battery and Overload Indicator
  - ▶ Protective Rubber Boot

Stock No.	Mfr.'s Type	Description	EACH
70146310	Model 810C	Capacitance Meter	85.00

### Model 830C and 890C — Capacitance Meters

The model 830C and 890C are handheld capacitance meters ideal for performing quick and precise measurements including measuring values, inspection, sorting capacitors and testing capacitors against standard tolerances.



- Features**
- ▶ 9 Automatic Ranges from 1.0 pF to 199.99 mF — Model 830C, 1.0 pF to 50 mF — Model 890C
  - ▶ 4 1/2-Digit, 11,000 Count, Dual LCD Display
  - ▶ Auto Ranging
  - ▶ Backlit Display
  - ▶ Sort on Preset Tolerance of 1, 5, 10%

Stock No.	Mfr.'s Type	Capacitance	EACH
70146274	830C	1.0 pF-199.99 mF	288.98
70146275	890C	1.0 pF-50 mF	148.99

### Model 881 — ESR and DCR Capacitor Tester

This in-circuit ESR and DCR capacitor tester is specially designed to measure ESR (Equivalent Series Resistance) on capacitors in the range of 0.47 μF to 2200 μF, in or out-of-circuit. The ability to troubleshoot in-circuit saves time and makes the 881 a must for anyone that tests or troubleshoots printed circuit boards.



- ▶ In-Circuit Testing of Capacitors
- ▶ 15 mV<sub>RMS</sub> Output Test Voltage (Will Not Turn on Any Solid-State Devices)
- ▶ Automatically Discharges the Capacitor Under Test
- ▶ One-Handed Tweezer Test Probe Included
- ▶ One-Year Warranty

Stock No.	Mfr.'s Type	Description	EACH
70146137	Model 881	ESR/DCR Capacitor Tester	209.99

### Models 885 (10 kHz) and 886 (100 kHz) Synthesized In-Circuit LCR/ESR Meter

The Model 886 Synthesized In-Circuit LCR/ESR Meter is the first handheld meter of this type on the market, with a wide range of test frequencies up to 100 kHz (Model 885 — 10 kHz; Model 886 — 100 kHz) and many measurement parameters including Z, L, C, DCR, ESR, D, Q, and θ as well. The 886 is designed for both component evaluation on the production line and fundamental impedance testing for bench top applications. With a built-in direct test fixture, you can test the lead components very easily. The optional 4-wire test clip can give a convenient connection to larger components and assemblies with the accuracy of 4-wire testing. The LCR meters offer fast, reliable, and versatile testing at low cost.



- ▶ Measurement Parameters: Z, L, C, DCR, ESR, D, Q, and θ
- ▶ Test Conditions: 100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz (Model 886), 1 V<sub>RMS</sub>, 0.25 V<sub>RMS</sub>, 0.05 V<sub>RMS</sub>
- ▶ 0.5% Basic Accuracy
- ▶ Dual LCD Display
- ▶ SMD Surface Mount Tweezer Probe Included
- ▶ Includes Manual, SMD Probe, 2 AA Ni-Mh Batteries, AC Adapter, Shorting Bar and Software

Stock No.	Mfr.'s Type	Description	EACH
70146313	Model 885	Synthesized In-Circuit LCR/ESR Meter	595.00
70146314	Model 886	Synthesized In-Circuit LCR/ESR Meter	835.00

### Model 889B — Bench LCR Meter

The Model 889B Synthesized In-Circuit LCR/ESR Meter with component tester is a high accuracy test instrument used for measuring inductors, capacitors and resistors with a basic accuracy of 0.1%. Also, with the built-in functions of DC/AC voltage measurements and Diode/Audible Continuity checks, the Model 889B can not only help engineers and students to understand the characteristic of electronics components but also being an essential tool on any service bench.



- ▶ Measurement Parameters: Z, L, C, DCR, ESR, D, Q, ACV, DCV, ACA, DCA and θ
- ▶ Test Conditions: 100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 Hz, 200 kHz, 1 V<sub>RMS</sub>, 0.25 V<sub>RMS</sub>, 0.05 V<sub>RMS</sub>
- ▶ 0.1% Basic Accuracy
- ▶ Dual LCD Display
- ▶ Very Quick Response, User Friendly
- ▶ Fully Auto/Manual Selection
- ▶ DC Resistance Measurement
- ▶ USB Interface

Stock No.	Mfr.'s Type	Description	EACH
70146229	889B	Bench LCR/ESR Meter with Component Tester	1475.00

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