

Models CR50 & LCR55

Component Testers

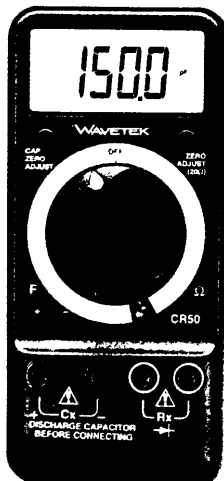
CR50 Capacitance and Resistance Meter

- ◆ Unique Full-Range Capacitance Meter and Resistance Meter (C+R)
- ◆ Dual "Zero Adjust" Pots
- ◆ "Low Ohms" Range
- ◆ Premium Test Leads with Alligator Clips

Model CR50 is a versatile, complete capacitance meter and resistance meter in one. Users considering purchasing just a "C-Meter" will get greater value with the CR50 because it includes a full range "R-meter" at no extra cost!

The CR50 measures capacitance in nine ranges from 200pF to 20mF with a resolution to 0.1pF in the 200pF range. To assure optimum accuracy an external "Zero" pot adjusts out stray capacitance from test leads in the 200pF range. For resistance measuring there are seven ranges from 20Ω to 20MΩ, with 0.01Ω resolution in the 20Ω range. The "low ohms" 20Ω range also features its own "zero" pot and is a measuring function typically found only in expensive, bench-grade meters. The meter also includes a diode test function and Tech-Preferred™ continuity beeper feature never found on just a C-meter.

Large, 17mm (0.7 inch) high display characters and annunciators within the display to echo the selected range provide

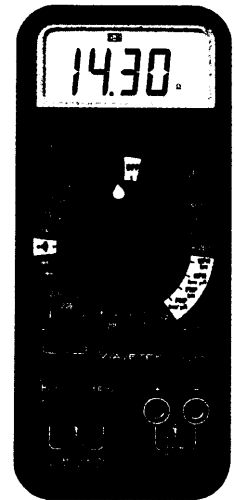


optimum readability and user accuracy. Test leads include screw-on alligator clips for easy attachment to components and lead wires. Optional accessories include H10 holster and VC30 case.

LCR55: LCR + Meter

- ◆ Inductance, Capacitance, and Resistance Meter
- ◆ Transistor Continuity, Diode/Microwave Diode Test
- ◆ 3½ Digit Display
- ◆ Large, 18mm (0.7") High Digits
- ◆ Data Hold & Max Hold
- ◆ Auto-off

Model LCR55 is an inductance, capacitance, and resistance meter with 28 user ranges that measures a wide range of values. In the 20Ω range, a zero adjustment knob allows to compensate for the test lead resistance. The LCR55 also tests diodes, including microwave diodes, and has slots for capacitor plug-in as well as a dedicated test socket for transistor testing. Optional accessories include H30 holster and VC231 soft case.



Component Testers Specifications (at 23°C ± 5°C; <75% R.H.)

MODEL	LCR55	CR50
Resistance Test		
Ranges	20Ω, 200Ω, 2kΩ, 20kΩ 200kΩ, 2MΩ, 20μMΩ	20Ω, 200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ
Accuracy	20Ω ±1.2%rdg (zero adjust) 200Ω ±0.5%rdg ±3dgt 2kΩ-2MΩ ±0.5%rdg ±1dgt 20MΩ ±2.0%rdg ±2dgt	±0.5% ±0.5%rdg ±3dgt ±0.5%rdg ±1dgt ±3.0%rdg ±1dgt
Capacitance		
Ranges	200pF, 2nF, 20nF, 200nF, 2μF, 20μF, 200μF, 2000μF	200pF, 2nF, 20nF, 200nF, 2μF, 20μF, 200μF, 2mF, 20mF
Accuracy	200pF-200nF ±1.0%rdg ±3dgt 2nF-2μF — 20μF — 2μF-200μF ±2.0%rdg ±3dgt 2000μF <1000μF ±3% ±3dgt 20mF >1000μF ±5% ±5dgt	±0.5%rdg ±1dgt ±0.5pF ±0.5%rdg ±1dgt ±0.5%rdg ±1dgt ±0.5%rdg ±1dgt ±1.0%rdg ±1dgt ±1.5%rdg ±1dgt
Inductance Test		
Ranges	200μH, 2mH, 20mH, 200mH, 2H, 20H, 200H	—
Accuracy	200μH ±5.0%rdg ±3dgt 2mH-200mH ±3.0%rdg ±3dgt 2H-200H ±5.0%rdg ±3dgt	— — —
Transistor Tests		
Hfe	0-1000/NPN, PNP	—
Iceo	μA/NPN/PNP	—
Diode Test-Standard	displays forward junction voltage	displays forward junction voltage
Test current/voltage	1.0mA/3.0VDC	1.0mA/3.2VDC
Diode Test-Microwave	displays forward junction voltage	—
Test current/voltage	1.3mA/8.0VDC	—
Continuity Test	tone < 30Ω	tone > 75Ω
Dimensions (HxWxD)	183mm x 80mm x 38mm (7.2" x 3.1" x 1.5")	151mm x 70mm x 32mm (6.1" x 2.8" x 1.3")
Weight	311g (11 oz.)	170g (6.0 oz.)
Agency Approvals	IEC1010-1, Cat II: CE	IEC1010-1, Cat II: CE
Warranty	One year	One year