

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*
- ◆ *3 1/2 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 software.



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)	±0.5%
	200Ω ±0.5%rdg ±3dgt	±0.5%rdg ±3dgt
	2kΩ-2MΩ ±0.5%rdg ±1dgt	±0.5%rdg ±1dgt
	20MΩ ±2.0%rdg ±2dgt	±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	±0.5%rdg ±1dgt ±0.5pF
	2nF-2μF —	±0.5%rdg ±1dgt
	20μF —	±0.5%rdg ±1dgt
	2μF-200μF ±2.0%rdg ±3dgt	±0.5%rdg ±1dgt
	2000μF <1000μF ±3% ±3dgt	±1.0%rdg ±1dgt
	20mF >1000μF ±5% ±5dgt	±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		
Test current/voltage	displays forward junction voltage 1.0mA/3.0VDC	displays forward junction voltage 1.0mA/3.2VDC
Diode Test-Microwave		
Test current/voltage	displays forward junction 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	CE
Warranty		
	One year	One year