### **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  $20\Omega$  to  $20M\Omega$ , with  $0.01\Omega$  resolution in the  $20\Omega$  range. The "low ohms"  $20\Omega$  range also features its own "zero" pot and is a measuring function typically found only in expensive, benchgrade meters. The meter also includes a diode test function and Tech-preferred tontinuity 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

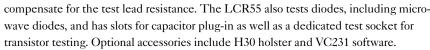


optimum readability and user accuracy. Test leads include screw-on alligator clips for easy attachment to components and lead wires. Optional accessories include H10 holster and VC30 case.

#### LCR55: LCR + Meter

- Inductance, Capacitance, and Resistance Meter
- Transistor Continuity, Diode/Microwave Diode Test
- ◆ 3<sup>1</sup>/<sub>2</sub> 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  $20\Omega$  range, a zero adjustment knob allows to





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

MODEL		LCR55	CR50
Resistance Te	st		
Ranges		$20\Omega$ , $200\Omega$ , $2k\Omega$ , $20k\Omega$	$20\Omega$ , $200\Omega$ , $2k\Omega$ , $20k\Omega$ ,
		$200$ k $\Omega$ , $2$ Μ $\Omega$ , $20$ μ $M\Omega$	$200$ k $\Omega$ , $2$ Μ $\Omega$ , $20$ Μ $\Omega$
Accuracy	$20\Omega$	± 1.2%rdg (zero adjust)	±0.5%
	$200\Omega$	± 0.5%rdg ±3dgt	±0.5%rdg ±3dgt
	$2k\Omega$ - $2M\Omega$	± 0.5%rdg ±1dgt	±0.5%rdg ±1dgt
	$20M\Omega$	± 2.0%rdg ±2dgt	± 3.0%rdg ±1dgt
Capacitance	Ranges	200pF, 2nF, 20nF, 200nF,	200pF, 2nF, 20nF, 200nF,
		2μF, 20μF, 200μF, 2000μF	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 Tes	st		
Ranges		200 µH, 2mH, 20mH,	
		200mH, 2H, 20H, 200H	
Accuracy	200 µH	±5.0%rdg ±3dgt	_
	2mH-200mH	± 3.0%rdg ± 3dgt	_
	2H-200H	±5.0%rdg ±3dgt	
Transistor Tes	ts		
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 < $30\Omega$	tone <75 $\Omega$
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; <b>( €</b>	C€
Warranty		One year	One year