

# Model CR50 Component Tester



- Sort, match, QC inspect and verify components, check circuits with this full range capacitance and resistance meter
- Dual zero adjustments pots to null strays and test leads
- Special "Low Ohms" range
- Oversized, read at-a-glance display
- Premium test leads with alligator clips

## CR50 Specifications (at 23 °C ± 5 °C, <75 % R.H. non-condensing)

Resistance	
Ranges	20 Ω, 200 Ω, 2 k Ω, 20 k Ω, 200 k Ω, 2 M Ω, 20 M Ω
Accuracy	20 Ω range: ± 2 % rdg (Zero Adjust) 200 Ω range: ± (1.0 % rdg + 3 dgts) 2 k Ω -2 M Ω ranges: ± (1.2 %rdg + 2 dgts) 20 M Ω range: ± (3.0 %rdg + 1 dgt)
Resolution	0.01 Ω in 20 Ω Range
Open Circuit Voltage	20 Ω and 200 Ω range: 3.0 VDC
All Other Ranges	0.3 VDC
Capacitance	
Ranges	200 pF, 2000 pF, 2 μF, 20 μF, 200 μF, 2 mF, 20 mF
Accuracy	200 pF: ± (0.5 %rdg + 1 dgt+0.5 pF) 2000 pF to 200 μF: ± (0.5 %rdg + 1 dgt) 2 mF: ± (1.0 %rdg + 1 dgt) 20 mF: ± (1.5 %rdg + 1 dgt)
Test Frequency	200 pF to 2 μF: 820 Hz 20 μF: 82 Hz 200 μF to 20 mF: 8.2 Hz
Test Voltage	<3.5 V
Continuity	
Continuity Threshold	Tone <75 Ω
Diode Test	
Test Current	1 mA (approx.)
Test Voltage	3.2 VDC
Display	Forward junction voltage
Overload Protection	
Resistance	500 VDC or AC RMS
Capacitance	0.1 A/250 V fast acting fuse
Continuity	500 VDC or AC RMS

## General Specifications

Display Update Rate: 2/sec, nominal; Power: Standard 9 V transistor battery; Battery Life: Alkaline 200 hours; Operating Temperature: 0 °C to + 50 °C (32 °F to 122 °F), <70 % R.H.; Storage Temperature: -20 °C to + 60 °C (-4 °F to 140 °F), <80 % R.H. battery removed; Dimensions (W x L x H): 15.1 cm x 7.0 cm x 3.8 cm (6.1" x 2.8" x 1.3"); Weight (incl. batteries): 200 g (8 oz.); Included Accessories: Test leads, alligator clips, batteries and manual

Features	
"Zero Adjust" Pots for low Ohms and Capacitance Ranges; Low Battery Indication; Warranty:	One-year
Optional Accessories	
H10Y Protective Holster; VC30 Vinyl Case; DL243C Basic Test Lead Kit; DL248C Deluxe Test Lead Kit; TL35A Test Lead Set with Alligator Clips	

For additional accessories, see the Accessories Compatibility Guide at [www.metermantesttools.com](http://www.metermantesttools.com)

## **Model CR50**

### **Component Tester**

**Meterman.**  
**The right tool for the job.<sup>™</sup>**

**Meterman Test Tools**

website: [www.metermantesttools.com](http://www.metermantesttools.com)  
email: [info@metermantesttools.com](mailto:info@metermantesttools.com)

6920 Seaway Blvd.  
Everett, WA 98203  
fax: 425-446-4882  
tel: 877-596-2680

Meterman Test Tools Europe  
P.O. Box 1186  
5602 BD Eindhoven  
The Netherlands