

CR50A

Inductance, Capacitance and Resistance Tester

Sort, match, QC inspect and verify components, check circuits with this full range capacitance and resistance meter.

Features

- **Dual zero adjustments pots to null strays and test leads**
- **“Low Ohms” range accurately measures low values of resistance**
- **Premium test leads with alligator clips**
- **“Zero Adjust” pots for low ohms and capacitance ranges**
- **Low battery indication**



Oversized, read-at-a-glance display

Resistance Zero Adjustment


Function/Range/Off Selector

Capacitance Input Terminals

Input Terminals for resistance, diode test and continuity

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Safety Certification 

All Amprobe tools, including the Amprobe CR50A, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

Specifications

General Specifications	
Display Update Rate	2/sec, nominal
Power	Standard 9 V transistor battery
Battery Life	Alkaline 200 hours
Operating Temperature	32 °F to 122 °F (0 °C to 50 °C), <70 % R.H.
Storage Temperature	-4 °F to 140 °F (-20 °C to 60 °C), <80 % R.H. battery removed
Dimensions (W x L x H)	6.1 x 2.8 x 1.3 in (15.1 x 7.0 x 3.8 cm)
Weight (incl. batteries)	0.44 lb (0.2 kg)
Warranty	One year

Resistance	
Range	20 Ω, 200 Ω, 2 kΩ, 20 kΩ, 200 kΩ, 2 MΩ, 20 MΩ
Accuracy	± 2 % rdg (Zero Adjust) ± (1.0 % rdg + 3 dgts) ± (1.2 %rdg + 2 dgts) ± (3.0 %rdg + 1 dgt)
Resolution	0.01 in 20 Ω
Open Circuit Voltage	3.0 VDC on 20 Ω and 200 Ω ranges
All Other Ranges	0.3 VDC

Capacitance	
Range	200 pF, 2000 pF, 2 μF, 20 μF, 200 μF, 2 mF, 20 mF
Accuracy	± (0.5 % rdg + 1 dgt+0.5 pF) ± (0.5 % rdg + 1 dgt) ± (1.0 % rdg + 1 dgt) ± (1.5 % rdg + 1 dgt)
Test Frequency	820 Hz, 820 Hz, 82 Hz, 8.2 Hz, 8.2 Hz, 8.2 Hz
Test Voltage	3.5V

Continuity	
Audible Indication	ON ≤ 40 Ω; OFF > 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

Included Accessories: Test lead set (one black, one red), pair of alligator clips, 9 V battery (installed), spare 0.1A/250V fuse, holster, user manual

Optional Accessories: VC30A Vinyl Case, DL243D Basic Test Lead Kit, DL248D Deluxe Test Lead Kit, TL36A Test Lead Set with Alligator Clips

For complete specifications, please download the product manual on amprobe.com