No hassle warranty

No waiting.

No shipping charges.

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive “No Hassle” warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: €500 MSLP limit)

LCR55A
Handheld Component Tester

- The ultimate component checker measures inductance, capacitance, resistance, transistors, diodes and microwave diodes
- Plug-in test slots and test leads with threaded alligator clips
- Oversized, digital display
- Data Hold and Max Hold
- “Zero Adjust” Pot for Ohms
- Low Battery Indication
- Auto-Power Off

General Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>3-1/2 digit LCD, max reading of 1999</td>
</tr>
<tr>
<td>Display Update Rate</td>
<td>2.5 /sec, nominal</td>
</tr>
<tr>
<td>Power</td>
<td>Standard 9 V transistor battery</td>
</tr>
<tr>
<td>Battery Life</td>
<td>Alkaline 200 hours</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 °C to + 50 °C (32 °F to 122 °F), &lt; 70 % R.H.</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20 °C to +60 °C (-4 °F to 140 °F), &lt; 80 % R.H. battery removed</td>
</tr>
<tr>
<td>Dimensions (WxLxH)</td>
<td>183 x 79 x 38 mm (7.2 in x 3.1 in x 1.5 in)</td>
</tr>
<tr>
<td>Weight (incl. batteries)</td>
<td>311 g (11 oz.)</td>
</tr>
<tr>
<td>Warranty</td>
<td>One year</td>
</tr>
</tbody>
</table>

Included Accessories
TL36A Test Leads, spare fuse, battery, (1) pair alligator clips, and users manual.

Optional Accessories
VC221B Vinyl Case
DL243D Basic Test Lead Kit
DL248D Deluxe Test Lead Kit
TL245A Test Lead Set
## LCR55A Handheld Component Tester Specifications

### Function | Range | Accuracy
--- | --- | ---
**Resistance** | 20 Ω | ± 1.2 % rdg (zero adjust)
| 200 Ω | ± (0.5 % rdg + 3 dgts)
| 2 k Ω to 2 M Ω | ± (0.5 % rdg + 1 dgt)
| 20 M Ω | ± (2.0 % rdg + 2 dgts)
**Resolution** | 10 m Ω in 20 Ω range
**Open Circuit Voltage** | 20 Ω range: 6.5 V dc
| 200 Ω range: 3.0 V dc
| All other ranges: 1.2 V dc
**Continuity** | 2 k Ω range: Tone at R < 30 Ω
**Audible Indication** | 2 k Ω range: Tone at R < 30 Ω
**Response Time** | 800 ms approx.
**Diode Test** | 1 mA (approximately)
**Test Voltage** | 3.0 V DC | ± (1.5 % rdg + 1 dgt)
**Display** | Forward junction voltage
**Microwave Diode Test** | 0.6 mA approximately
**Test Current** | 7.0 V DC typical | ± (3.0 % rdg + 1 dgt)
**Display** | Forward junction voltage
**Capacitance** | 200 pF to 200 nF | ± (1.0 % rdg + 1 dgt)
| 2 μF to 200 μF | ± (2.0 % rdg + 3 dgts)
| 200 μF < 1000 μF | ± (3.0 % rdg + 3 dgts)
| 1000 μF > 2000 μF | ± (5.0 % rdg + 5 dgts)
**Note:** In lower ranges, subtract 6 points residual offset reading from result
**Test Frequency** | 200 pF to 2 μF: 1000 Hz
| 20 μF to 200 μF: 100 Hz
| 2000 μF: 10 Hz
**Temperature Coefficient** | < 0.5 μF: 0.1%/°C
| > 0.5 μF: 0.2%/°C
**Inductance** | 200 μH | ± (5.0 % rdg + 30 dgts)*
| 2 to 200 mH | ± (3.0 % rdg + 20 dgts)*
| 2 mH to 200 H | ± (5.0 % rdg + 20 dgts)*
**Test Frequency** | 200 μH to 2 H ranges: 1000 Hz
| 20 H to 200 H ranges: 100 Hz
**Temperature Coefficient** | < 0.5 H: 0.2%/°C
| > 0.5 H: 0.5%/°C
**Transistor Test** | 0 to 1000
**hFE Range** | 3 μA approximately
**hFE Base Current** | 3.0 V DC approximately
**hFE Voltage C - E** | 10 nA to 20 μA
**Iceo Range, Leakage Current** | 350 V DC or AC RMS
**Overload Protection** | 0.1 A/250 V fast acting fuse
**Capacitance** | 350 V DC or AC RMS
**Continuity** | 350 V DC or AC RMS
**Diode Test** | 350 V DC or AC RMS
**Micro Wave Diode Test** | 350 V DC or AC RMS
**Inductance** | 0.1 A/250 V fast blow fuse

*For values of Q ≤ 7*