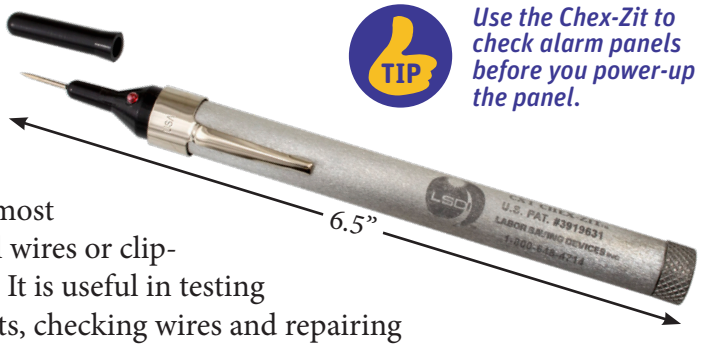
Chex-Zit™

Pocket Leadless Continuity Tester



TIP *Use the Chex-Zit to check alarm panels before you power-up the panel.*

The Chex-Zit™ pocket tester is a unique penlight-size ***leadless*** continuity and electrical current tester with pocket clip. Unlike most continuity testers, it does not need additional wires or clip-leads and has a 220K internal DC resistance. It is useful in testing many different types of electronic components, checking wires and repairing appliances. The Chex-Zit™ is made of aircraft grade aluminum and buffed to a durable satin finish. A bright red LED indicates when continuity (no open circuits) or voltage is detected.

USED HEAVILY IN:

- Production lines
- Field Servicing
- Home and hobbies
- Circuit tracking
- Identifies continuity
- Checks polarity
- Checks for voltage

COMMON USES:

- Cables and cable harnessing
- Rack wiring
- Security and alarm systems
- Telecommunications
- Test equipment
- Circuit boards
- Electrical appliances
- Cords and fuses
- Batteries and polarity
- Relay contacts
- Multi conductor cable
- Diodes
- Electrical circuits
- Interconnect systems
- Debugging
- Semiconductor equipment
- Auto and boat wiring
- Transformer winding
- Cabinet wiring
- Control systems
- Lab equipment
- Electric motor chassis
- Switches
- Relays
- Solenoids
- Tube heaters
- Photo cells
- Transistors
- Pulse transformer
- Selenium rectifiers
- Relay coils
- Non-electrolitic capacitors
- Photo diode
- Light bulbs

To use, first remove the protective cap, then simply hold one lead under test with one hand and the Chex-Zit™ in the other. When the probe touches the other component's lead, your body completes the circuit. If the component under test has continuity - even beyond 10 megohms - the red LED in the tip will glow bright; the brighter the glow, the lower the resistance of the item under test.

DESCRIPTION	PART NO.	MODEL
Chex-Zit Continuity Tester	LS-57-500	CXT

GENERAL INSTRUCTIONS

To change the batteries, unscrew the cap at the bottom of the Chex-Zit and remove the old batteries. Insert two new AAA 1.5v batteries in the unit ***with the positive side toward the batter cap which is the bottom of the unit.*** Replace bottom cap.

Continuity checks may vary from one person to another due to the body chemistry or the dryness of the skin. For best contact, moisten fingers.

To check fuses, hold fuse in one hand, making sure the fingers are in contact with one side of the fuse; holding the Chex-Zit in the other hand, touch the other end of the fuse with the probe of the tester. If the fuse is good, the red LED will light up; if the fuse is bad, the LED won't light up.

To check diodes (low leakage silicon), hold the cathode end of the diode in one hand; holding the Chex-Zit in the other, touch the anode with the probe of the tester. If the diode is good, the LED will NOT glow. Now, reverse the diode in your hand and touch the cathode with the probe; if the diode is good, the LED will glow.

To check silicone transistors NPN, hold the base lead of the transistor in one hand and touch both the collector and the emitter with the probe; the LED should glow both times. Now hold the emitter lead and touch the base lead with the probe; the LED should NOT glow.

To check silicone transistors PNP, hold the base lead of the transistor in one hand and touch both the collector and the emitter with the probe; the LED should NOT glow either time. Now hold the emitter lead and touch the base lead with the probe; the LED should glow. Lastly, hold the collector lead and touch the base lead with the probe; the LED should glow. (Germanium transistors have too much leakage to be checked with the Chex-Zit.)

To check capacitors (non-electrolitic), hold capacitor lead in one hand and touch the other end of the capacitor with the probe of the Chex-Zit. This will charge the capacitor (the LED should pulse then off). Now, with the capacitor charged up, hold the opposite end in one hand and touch the capacitor lead with the probe; the LED should light up for a certain time depending of the value of the capacitor)for a value of 0.25 yF the LED will glow for approximately 3 seconds). If the LED stays on, then the capacitor is shorted. If the LED never glows, the capacitor is open. The approximate minimum value of capacitance that be checked is 50. pf.

Checking cables: Identification of a long run of twisted pair cables may be accomplished in the following manner: temporarily clip a diode across the two ends of the twisted pair. Now, hold one lead in one hand and touch the other end with the probe of the Chex-Zit. You should get a diode action (light in one direction but not in the other). By using a combination of diodes, you can identify many conductors in a cable run.

ELECTRICAL SPECIFICATIONS

Tip internal series DC resistance	220Kohms
Voltage of tip in stand-by mode	0.5 VDC
Max. top current when testing a component	11 Microamps
Minimum AC voltage detectable (Logicprobe)	3. Volts P-P
Type of output indicating lamp	Solid State Lamp
Powered by	2 AAA batteries

Two year warranty against failure other than battery damage or extreme abuse.
Patent #3,919,631

Videos for these products and more are available on YouTube:
https://youtu.be/CNWy17nOH24

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