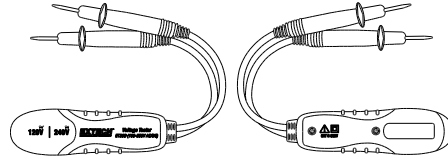


EXTECH[®] USER MANUAL

Model ET20B - Voltage Tester



OPERATION

To check for voltage, insert the test leads into the outlet receptacle slots or place the test lead tips on the electrical contacts to be tested. If voltage is present > 80V, the first 120V neon indicator will light indicating the voltage. If voltage is present > 179V, the second 240V indicator will light.

To test for the live side of a receptacle, insert one probe into the ground post of the receptacle while inserting the other probe into the alternate slots of the receptacle. The neon indicator will light when the probe makes contact with the live side of the outlet. **Caution:** Do not place hands past the translucent windows.

To test for voltage on an outlet without a ground post, insert a test lead into the live side of the receptacle while touching the other test lead to the cover plate screw.

WARNING: Risk of Electric Shock. Always check proper operation on known working circuit before using. Voltages < 100 Volts may not be detected by this tester, although they may be present.

CAUTION: Use extreme caution when checking electrical circuits to avoid injury due to electrical shock. Teledyne FLIR LLC assumes basic knowledge of electricity on the part of the user and is not responsible for any injury or damages due to improper use of this tester.

SPECIFICATIONS


Voltage Range: 100-250V (AC/DC) 50~60Hz

Power Consumption: <7mA (300 V AC/DC)

Environmental Conditions

- Indoor Use
- Altitude up to 7000 ft. (2000m)
- Temperature 23~104°F (-5~40°C)
- Maximum relative humidity 85% for temperatures up to 88°F (31°C) decreasing linearly to 50% RH at 104°F (40°C)
- Mains supply voltage fluctuations not to exceed ± 10% of the normal voltage
- **OVERVOLTAGE CATEGORY II:** Energy-consuming equipment to be supplied from the fixed installation
- Pollution Degree 2
- Clean surface of tester with clean, dry cloth

SAFETY

 **Double Insulation:** Protected by double or reinforced insulation.

Two-year Warranty

*Teledyne FLIR LLC warrants this Extech brand instrument to be free of defects in parts and workmanship for **two years** from date of shipment (a six-month limited warranty applies to sensors and cables). To view the full warranty text please visit: <http://www.extech.com/support/warranties>.*

Contact Customer Support

Customer Support Telephone List: <https://support.flir.com/contact>

Calibration, Repair, and Returns: repair@extech.com

Technical Support: <https://support.flir.com>

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