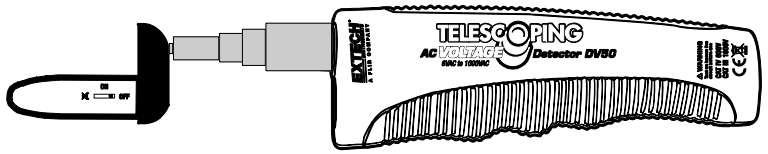
User's Guide

EXTECH INSTRUMENTS
A FLIR COMPANY



DV50 Non-Contact Voltage Detector

Safety

WARNING: **Risk of Electrocution. Before use, always test the Voltage Detector on a known live circuit to verify proper operation**

WARNING: **Risk of Electrocution. Keep hands and fingers on the handle of the probe and away from the probe tip**

CAUTION: **Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product**.

Do not attempt to repair this unit. There are no user serviceable parts.

Do not expose the unit to extreme temperatures or high humidity

Do not use the unit if it is wet or damaged

Do not apply more than the rated voltage between the probe tip and ground.

Do not operate with the case open

This symbol, adjacent to another symbol or terminal, indicates the user the user must refer to the manual for further information.

This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present

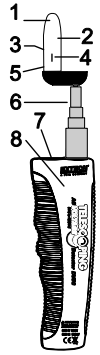
Double insulation

Specifications

Voltage Sensitivity	**6**V to 1000V AC
Bandwidth	50/60Hz
Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Altitude	Operating below 2000 meters
Relative Humidity	80% up to 31°C, decreasing to 50% at 50°C
Battery	2 x 1.5V button batteries (LR44/AG13)
Dimensions/Weight	7.7x2.4x1.2"(195x62x30mm)/ 5.2oz (148g)
Safety	For indoor use and in accordance with Overvoltage Category IV 600V, Overvoltage Category III 1000V, Pollution Degree 2.

Description

1. Voltage sensor
2. ON and Voltage indicator lights
3. Sensitivity adjustment (rear)
4. ON/OFF switch
5. Battery compartment
6. Telescoping rod
7. Probe storage area
8. Handle



Operating Instructions

AC VOLTAGE DETECTION

1. Lift the probe tip from the storage area and extend the telescoping rod.
2. Twist the rod into the LOCKED position as indicated.
3. Slide the ON/OFF switch to the ON position. The green ON light will illuminate and the red detection light may flash.
4. Adjust (decrease) the sensitivity adjustment until the red flashing voltage indicator light and the beeper just stop.
5. Place the probe tip on the wire or object to be tested. If voltage is present the red flashing light and beeper will continuously alert.
6. To turn off the audible beeper, slide the ON/OFF switch to the position.

NOTE: RF signals in close proximity to the detector may cause the light and beeper to latch into a constant tone and light indication. Wait until the RF signal has disappeared before proceeding with detection.

NOTE: The conductors in electrical cord sets are often twisted. For best results, rub the probe tip along a length of the cord to assure placing the tip in close proximity to the live conductor.
NOTE: The detector is designed with high sensitivity. Static electricity or other sources of energy may randomly trip the sensor. This is normal operation.

Battery Installation

1. Unscrew the probe tip..
2. Insert two 1.5V button batteries (observe polarity).

NOTE: If your meter does not work properly, check the battery to make sure that it still good and that it is properly inserted.

You, as the end user, are legally bound (Battery ordinance) to return all used batteries and accumulators; disposal in the household garbage is prohibited!
You can hand over your used batteries / accumulators, gratuitously, at the collection points for our branches in your community or wherever batteries / accumulators are sold!

Disposal

Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle