

EXTECH INSTRUMENTS DV40 Non-Contact Voltage Detector and IR Thermometer

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 body 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.

BATTERY INSTALLATION

- Access the battery compartment by gently pressing the pocket clip release latch and sliding the cover down.
 - Insert three LR44 button batteries (observe polarity).
 - Replace and latch the cover.
- All EU users are legally bound by the battery ordinance to return all used batteries to collection points in your community or wherever batteries / accumulators are sold. Dispose in the household garbage is prohibited!

Specifications

IR Thermometer

Range	-20 to 445 °F (-30 to 230 °C)
Resolution	0.1 °F/°C
Emissivity settings	0.95 fixed
Distance to Target Ratio	1:1

Accuracy

77.1 to 445 °F (25.1 to 230 °C)	± 2.0% of reading or ± 0.9 °F/°C, whichever is greater
-7.9 to 77.1 °F (-20 to 25 °C)	± 0.9 °F/°C
-20 to -7.9 °F (-30 to -10 °C)	± 0.9 °F/°C

Non-Contact Voltage Detector

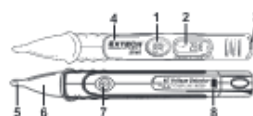
Voltage Sensitivity	50 V to 100 V AC
Bandwidth	50-60 Hz
Detection distance	1" (25.4 mm)

General

Display	9999 count LCD display
Operating Temperature	32 to 122 °F (0 to 50 °C)
Operating Humidity	10% to 80% RH
Power Supply	3 LR44 or AT0 button batteries
Weight	1.25oz / 35.5g
Storage Temperature	14 to 140 °F (-10 to 60 °C)
Altitude	Operating below 2000 meters
Dimensions/Weight	6.25x1.75x1.5 (156x45x39mm) / 1.25oz / 35.5g
Safety	For indoor use and in accordance with Overvoltage Category IV-000V, Category III 10 00V, Pollution Degree 2.

Operating Instructions

- IRT measure button
- LCD display
- IRT port
- Battery compartment
- NOV detector
- NOV indicator cone
- NOV measurement button
- Battery compartment release latch



AC VOLTAGE DETECTION

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

- PRESS and HOLD the NOV button.
- The cone tip will light up for approximately 2 seconds and then turn off, ensuring that the LED is working correctly. Continue holding the NOV button.
- Place the probe tip near the hot conductor next to the hot side of the electrical outlet.
- If AC voltage is present, the detector cone will produce a steady constant glow.

NOTE: The conductors in electrical cord sets are often twisted. For best results, rub the probe tip along a length of the cord to ensure 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 will randomly trip the sensor. This is normal operation.

IR TEMPERATURE MEASUREMENTS

NOTE: The IR thermometer has a distance to target ratio of 1:1. For the most accurate readings position the meter as close as possible to the target.

- Point the IR sensor toward object to be measured.
- PRESS and HOLD the IRT button.
- The meter will turn ON, "SCAN" will flash in the display and the measured surface temperature will appear in the display.
- Release the MEASURE button, "HOLD" will appear and the last measured value will remain in the display until the meter turns off (approximately 30 seconds).

Displaying °F or °C

The temperature unit selection switch is located in the battery compartment.



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EXTECH INSTRUMENTS DV40 Detector de voltaje y Termómetro IR Sin Contacto

ADVERTENCIA: Riesgo de electrocución. Antes de usar, pruebe siempre el detector en un circuito vivo para verificar el funcionamiento correcto.

ADVERTENCIA: Riesgo de electrocución. Mantenga las manos y dedos sobre el cuerpo de la sonda y alejados de la punta de la sonda.

PRECAUCIÓN: Antes de usar este producto lea en este manual o comprenda siga las Reglas de seguridad e Instrucciones de operación.

No intente reparar esta unidad. No hay partes que el usuario pueda reparar en el interior.

No exponga la unidad a extremas temperaturas o alta humedad.

No use la unidad si está mojada o dañada.

No aplique más voltaje que la clasificación nominal entre la sonda y tierra.

No opere con la caja abierta.

-  Este símbolo, adyacente a otro símbolo o terminal, indica que el usuario debe referirse al manual para mayor información.
-  Este símbolo, adyacente a un terminal, indica que, bajo uso normal, pueden existir voltajes peligrosos.
-  Doble aislamiento.

INSTALACIÓN DE BATERÍAS

- Abra el compartimiento de la batería, presione ligeramente la traba del clip para bolsillo y deslice la tapa hacia abajo.
- Inserte tres baterías LR44 tipo botón (observe la polaridad).
- Reemplace y trabaje la tapa.

Todos los usuarios de la UE están legalmente obligados por la ordenanza de baterías a devolver todas las pilas usadas a los puntos de recolección en su comunidad o a cualquier otro lugar donde se venden baterías y acumuladores. (El desecho en la basura del hogar está prohibido).

Especificaciones

Termómetro IR

Escala	-30 a 230 °C (-20 a 445 °F)
Resolución	0.1 °F/°C
Ajuste de emisividad	0.95 fijo
Relación de distancia al objetivo	1:1

Precisión

25.1 a 230 °C (77.1 a 445 °F)	± 2.0% de la lectura o ± 0.9 °F/°C, el que sea mayor
-7.9 a 25 °C (-20 a 77 °F)	± 0.9 °F/°C
-30 a -7.9 °C (-20 a -10 °F)	± 0.9 °F/°C

Detector de voltaje sin contacto

Sensibilidad de voltaje	50 V a 100 V CA
Amplitud de banda	50-60 Hz
Distancia de detección	1" (25.4 mm)

