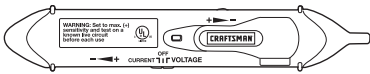




AC Voltage and Current Detector

Model 82147



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

- Safety
- Operation
- Español

ONE YEAR FULL WARRANTY

ONE YEAR FULL WARRANTY ON CRAFTSMAN Detector
 If this CRAFTSMAN Detector fails to give complete satisfaction within one year from the date of purchase, RETURN IT TO THE NEAREST SEARS STORE OR OTHER CRAFTSMAN OUTLET IN THE UNITED STATES, and Sears will replace it, free of charge. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

For Customer Assistance Call 9am - 5pm (ET)
 Monday through Friday 1-888-326-1006

WARNING: USE EXTREME CAUTION IN THE USE OF THIS DEVICE. Improper use of this device can result in injury or death. Follow all safeguards suggested in this manual in addition to the normal safety precautions used in working with electrical circuits. **DO NOT** service this device if you are not qualified to do so.

UL LISTED

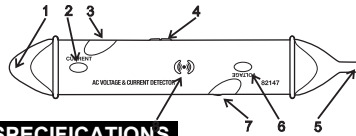
The UL mark does not indicate that this product has been evaluated for the accuracy of its readings.

SAFETY PRECAUTIONS

1. Improper use of this meter can cause damage, shock, injury or death. Read and understand this manual before use.
2. Secure any covers or battery doors before use.
3. Inspect the condition of the meter for any damage before use.
4. Remove the batteries from the meter if the meter is to be stored for long periods.

DESCRIPTION

1. Current Sensor and LED
2. Current Detector "ON" LED
3. Current Detector Sensitivity adjustment
4. Current/Voltage/OFF function selector switch
5. Voltage Sensor and LED
6. Voltage Detector "ON" LED
7. Voltage Detector Sensitivity adjustment
8. Audible beeper

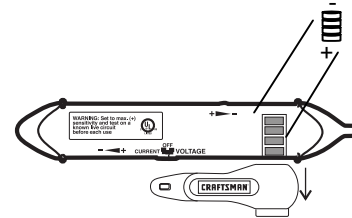


SPECIFICATIONS

Voltage detection	12V to 600VAC
Current sensitivity	200mA (0.2A) AC at 0.2"
Audible indication	Beeper (Voltage & Current)
Visible indication	Flashing LED (Voltage & Current)
Frequency range	50 to 500Hz
Operating Temperature	14 to 122°F (-10°C to 50°C)
Operating Humidity	< 80% RH
Altitude	< 2000m
Power supply	(4) LR44 batteries
Weight	2.1 oz. (60g)
Dimensions	7.6 x 1.2 x 0.9" (192x31x24mm)
IEC 1010	Category III 600V Indoor use

BATTERY REPLACEMENT

1. Turn power OFF
2. Slide the pocket clip off (as shown) to access batteries.
3. Replace the four LR44 batteries. The negative sides of the batteries face in the same direction, as shown. The positive sides of the batteries face in the opposite direction.

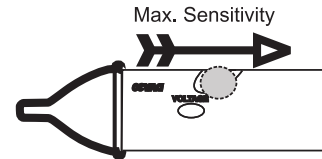


OPERATING INSTRUCTIONS

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

VOLTAGE DETECTION

1. Slide the Function switch to the Voltage position.
2. The "VOLTAGE" LED will light. If the LED is dim or does not light, replace the batteries.
3. Set the Sensitivity adjustment to max.
4. If the detector begins to beep/flash, slowly turn the sensitivity down until the beep/flash stops.
5. Touch the detector voltage sensor to the hot conductor or insert into the hot side of the electrical outlet.
6. If AC voltage is present, the detector light will flash and the audible beeper will sound.
7. Adjust the sensitivity as needed to zero-in and identify the live conductor.

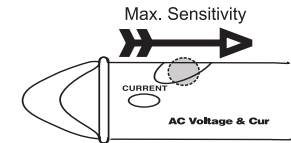


WARNING: Risk of Electrocution. Before use, always test the Detector on a known live circuit to verify proper operation

CURRENT DETECTION

NOTE: There must be a load on the circuit (current flow) for the current detection function to work.

1. Slide the Function switch to the Current position.
2. The "CURRENT" LED will light. If the LED is dim or does not light, replace the batteries.
3. Set the Sensitivity adjustment to the max position
4. If detector begins to beep/flash, slowly turn the sensitivity down until the beep/flash stops.
5. Move the detector current sensor near the current carrying conductor until the current tip flashes and beeper sounds.
6. Slowly reduce the sensitivity and reduce the distance between the sensor and conductor to zero-in and identify the conductor.



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