



**Dual Range AC Voltage Detector + Flashlight**  
**Model 82176**



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

- Safety
- Operation
- Español

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 U.S.A. www.craftsman.com 061110

**ONE YEAR FULL WARRANTY**

**ONE YEAR Full WARRANTY ON CRAFTSMAN VOLTAGE DETECTOR.** If this CRAFTSMAN VOLTAGE 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.  
 If this CRAFTSMAN VOLTAGE DETECTOR is used for commercial or rental purposes, this warranty applies for 90 days from the date of purchase.  
 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.

**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.

**International Safety Symbols**

Refer to the user's guide for information.

Double insulation

**BATTERY INSTALLATION**

1. Remove the end cap by gently lifting the pocket clip to release the catch.
2. Insert two AAA batteries (observe polarity).
3. Replace the end cap

**SPECIFICATIONS**

<b>Voltage Sensitivity</b>	100V to 1000V AC, 50/60Hz 24V to 1000V AC, 50/60Hz
<b>Detection distance</b>	<0.2"
<b>Operating Temperature</b>	32 to 122°F (0 to 50°C)
<b>Storage Temperature</b>	-4 to 140°F (-20 to 60°C)
<b>Altitude</b>	Operating below 2000 meters
<b>Relative Humidity</b>	80% up to 31°C, decreasing to 50% at 50°C
<b>Battery</b>	2 AAA batteries
<b>Dimensions/Weight</b>	6.25x1" (159x25mm) / 1.5oz (42g)
<b>Safety</b>	For indoor use and in accordance with Overvoltage Category IV-600V, Pollution Degree 2.

**OPERATION**

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

**Voltage Detection**

1. For low voltage testing (24 to 100V), press and hold the 24V button. For standard electrical work (>100V), this is not necessary.
2. Touch the probe tip to the hot conductor or insert into the hot side of the electrical outlet.
3. If AC voltage is present, the detector cone will illuminate and the detector will beep.

**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.

**Flashlight**

Press and hold the flashlight ON/OFF button to turn on the flashlight.

**DESCRIPTION**

1. Flashlight
2. Flashlight button
3. Battery compartment end cap
4. Pocket clip
5. 24V button
6. Detector cone
7. Probe tip

