

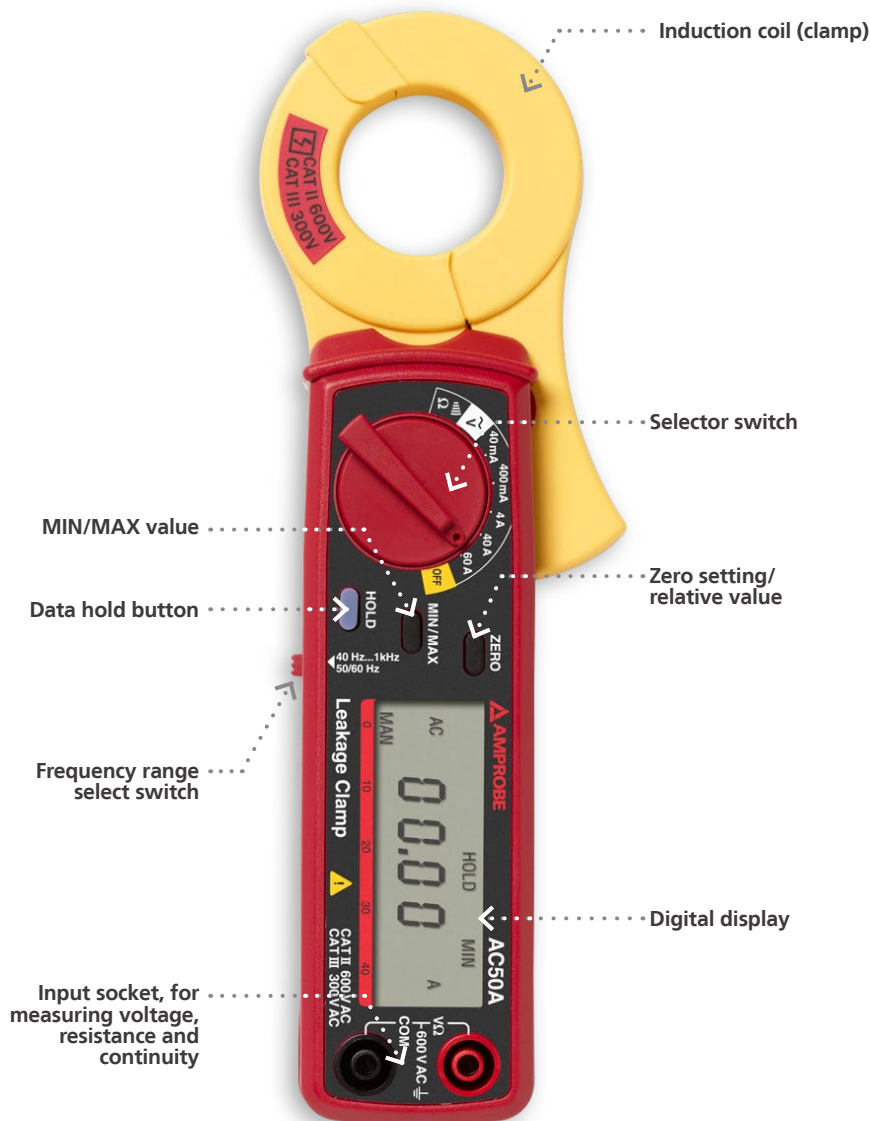


# AC50A AC Leakage Clamp

The AC50A current clamp multimeter measures low AC current in the microamps. Primary applications include checking for leakage and fault currents.

## AC50A Features

- **AC current measurement to 60A**
- **Leakage current measurement with resolution of 0.01mA**
- **AC voltage to 400V**
- **Resistance measurement and continuity beeper**
- **Min/Max control to see largest or smallest values in a series of measurements**
- **Relative value measurement to determine differentials**
- **Data Hold to freeze measurement value on the display**
- **Digital display with Analog bargraph**
- **Jaw opening 1.2 in (30 mm)**
- **Auto-Power-Off to save battery life**
- **Minimum Resolution 0.01mA**



**AC50A**  
AC Leakage Clamp



## Specifications

General Specifications	
Display	3.75 LCD (including functions and symbols)
Bargraph	40 segments
Range selection	Manual
Auto power off	Approx. 30 minutes
Overload display	Indicated by blinking left digit
Measuring rate	20 measurements/sec (Bargraph) 2 measurements/sec (LCD)
Clamp opening	Ca. 1.2 in (30 mm)
Overvoltage category	CAT II, 600 V, CAT III, 300 V
Pollution degree	2
Height above MSL	Up to 2000 m, indoor operation
Battery display	Yes, at low battery
Power supply	Battery 2 x 1.5 V IEC LR6 (alkaline)
Current consumption	Approx. 10 mA
Operation temperature	14° F... 122° F (-10° C ... 50° C)
Storage temperature	-4° F... 140° F (-20° C ... 60° C)
Humidity	< 75% relative humidity
Dimensions	7.2 x 2.5 x 1.4 in (183 x 63.6 x 35.6 mm)
Weight	Ca. 0.44 lb (7 oz)

Range	Resolution	Accuracy	
<b>Current AC</b>		<b>50 Hz/60 Hz</b>	<b>40 Hz ... 1 kHz</b>
0 – 40 mA	10 µA	±(1.5 % rdg. +3 D)	±(2.0 % rdg. +5 D)
0 – 400 mA	100 µA		
0 – 4 A	1 mA		
0 – 40 A	10 mA		
0 – 50 A	0.1 A	±(1.5 % rdg. +5 D)	±(2.0 % rdg. +5 D)
50 – 60 A	0.1 A	±(3.0 % rdg. +5 D)	±(3.5 % rdg. +5 D)

<b>Voltage AC</b>		<b>50 Hz/60 Hz</b>	<b>40 Hz ... 1 kHz</b>
0...400 V	0.1 A	±(1.0 % rdg. +3 D)	±(2.0 % rdg. ± 4 D)

### Resistance

Range	Resolution	Accuracy	Overload Protection
400 Ω	0.1 Ω	±(1 % rdg. +3 D)	600 V AC

### Continuity

Range	Resolution	Beep	Open Circuit Voltage
Ω / $\bullet$ )	0.1 Ω	ON 10 Ω; OFF > 38 Ω	< 0.4 V
Overload Protection 600 V AC			

**Included Accessories:** Batteries, carrying case, test leads, users manual

**Optional Accessories:** TL36A Heavy duty test leads with threaded alligator clips

For complete specifications, please download the product manual on [beha-Amprobe.com](http://beha-amprobe.com)

All Beha-Amprobe tools, including the Beha-Amprobe AC50A, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Beha-Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Beha-Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

