

**FLUKE** ®

# **305**

## Clamp Meter

### **Users Manual**

PN 4045148 (English)

June 2012 Rev. 2, 5/24

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## Introduction

The Fluke 305 Clamp Meter (the Product) measures ac and dc voltage, ac current, resistance, and continuity.



### Warning

**Read *Safety Information* before you use the Product.**

## Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website:  
[www.fluke.com](http://www.fluke.com).

To register your product, or to view, print, or download the latest manual or manual supplement, go to our website: [www.fluke.com/productinfo](http://www.fluke.com/productinfo).

+1-425-446-5500 [fluke-info@fluke.com](mailto:fluke-info@fluke.com)

## Safety Information

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

General Safety Information is in the printed Safety Information document that ships with the Product and at [www.fluke.com](http://www.fluke.com). More specific safety information is listed where applicable.

### *Note*

*The Measurement Category (CAT) and voltage rating of combinations of test probes, test probe accessories, current clamp accessories, and the Product is the LOWEST rating of individual components.*

## Jaw Maintenance

If the Product does not work properly:

1. Inspect the jaw matting surface for cleanliness. If any foreign material (including rust) is present, the jaw will not close properly and measurement errors will result.
2. Open the jaws and wipe the clamp metal ends with a lightly oiled cloth.

## How to Clean the Product

Regularly wipe the case with a damp cloth and mild detergent.

### Caution

**To prevent damage to the Product, do not use abrasives or solvents to clean the Product case.**

## Product Disposal

Dispose of the Product in a professional and environmentally sound manner:

- Delete personal data on the Product before disposal.
- Remove batteries that are not integrated into the electrical system before disposal and dispose of batteries separately.
- If this Product has an integral battery, put the entire Product in the electrical waste.

## Specifications

### Electrical Specifications

#### AC Current (Jaw)

Range ..... 999.9  
Resolution ..... 0.1 A  
Accuracy ..... 1.5 %  $\pm$ 5 digits (45 Hz to 400 Hz)

*Note*

*Add 2 % for position sensitivity.*

#### AC Voltage

Range ..... 600.0 V  
Resolution ..... 0.1 V  
Accuracy ..... 1.5 %  $\pm$ 5 digits (45 Hz to 400 Hz)

#### DC Voltage

Range ..... 600.0 V  
Resolution ..... 0.1 V  
Accuracy ..... 1 %  $\pm$ 5 digits

## Resistance

Range ..... 400.0 Ω/4000 Ω

Resolution ..... 0.1 Ω/1 Ω

Accuracy ..... 1 %  $\pm$ 5 digits

Continuity Beeper .....  $\leq$ 70 Ω

## Mechanical Specifications

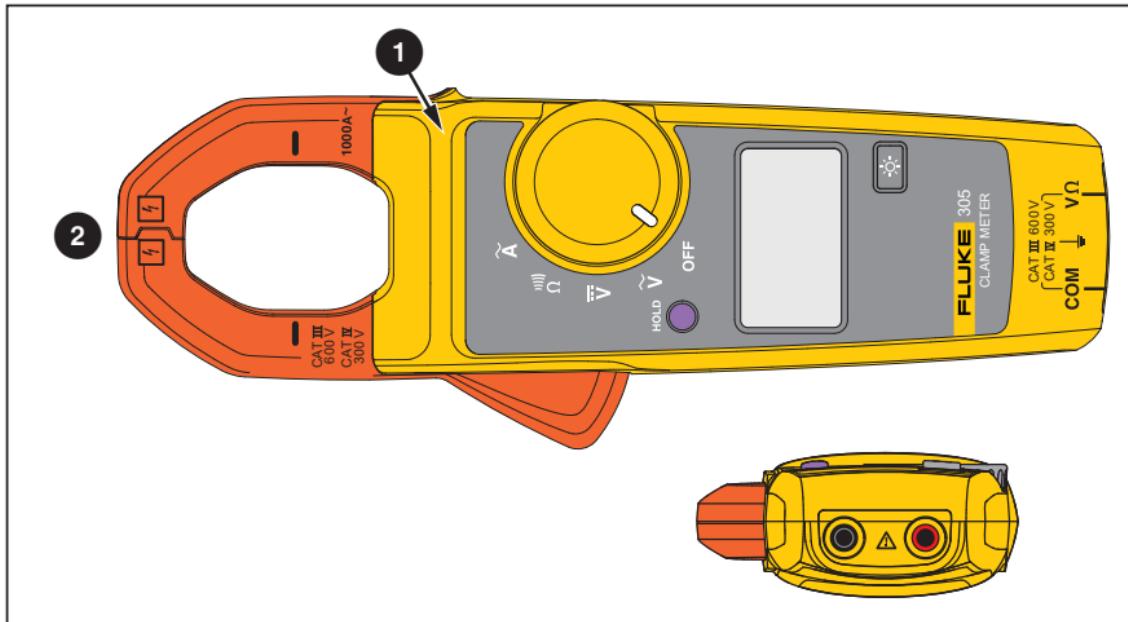
Size (L x W x H)..... 207 mm x 75 mm x 34 mm

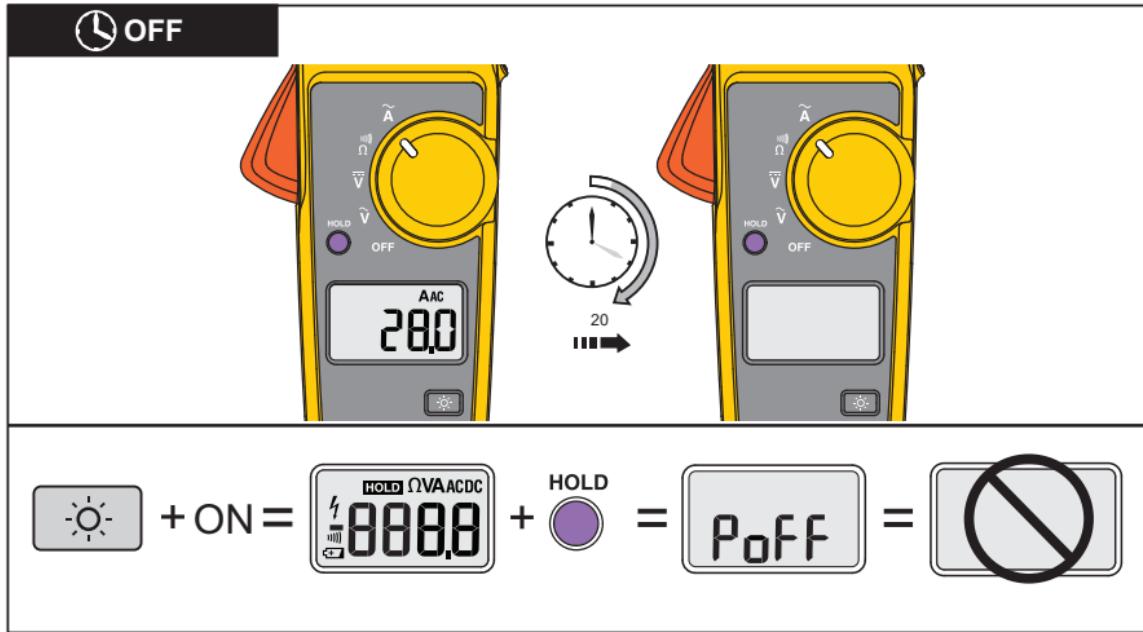
Weight ..... 205 g

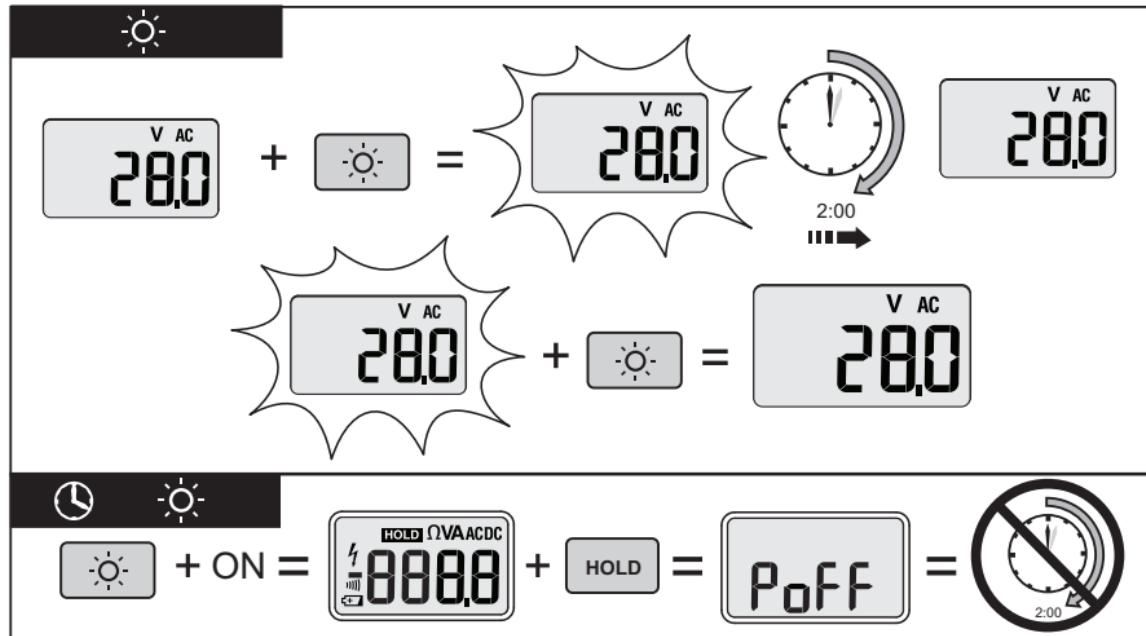
## Environmental Specifications

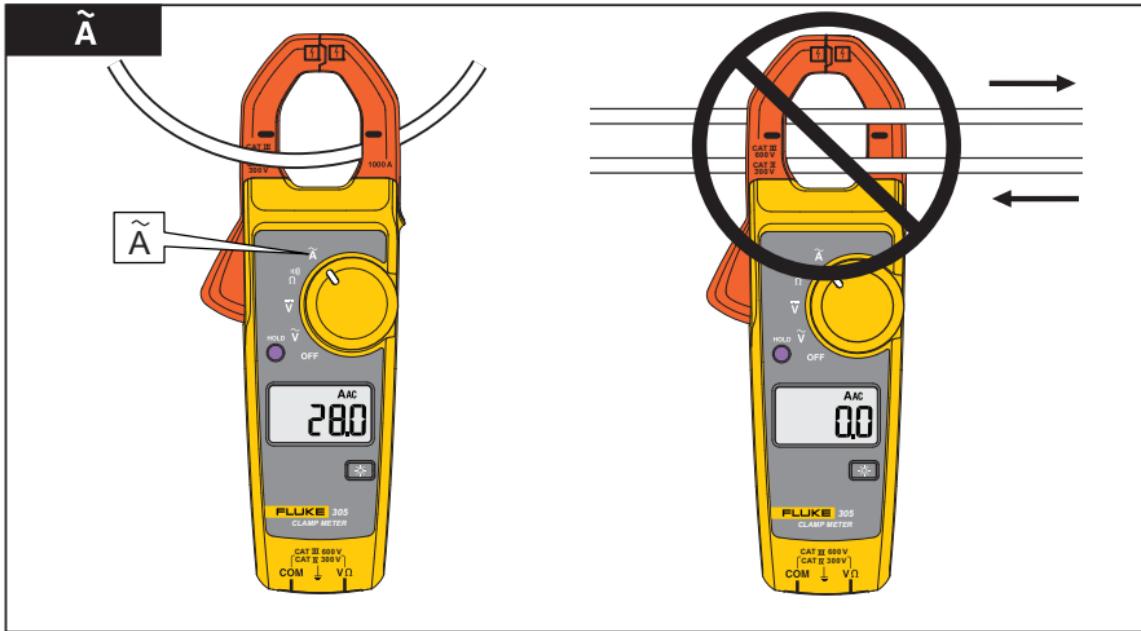
Temperature Coefficients..... Add 0.1 x specified accuracy for each °C above 28 °C or below 18 °C

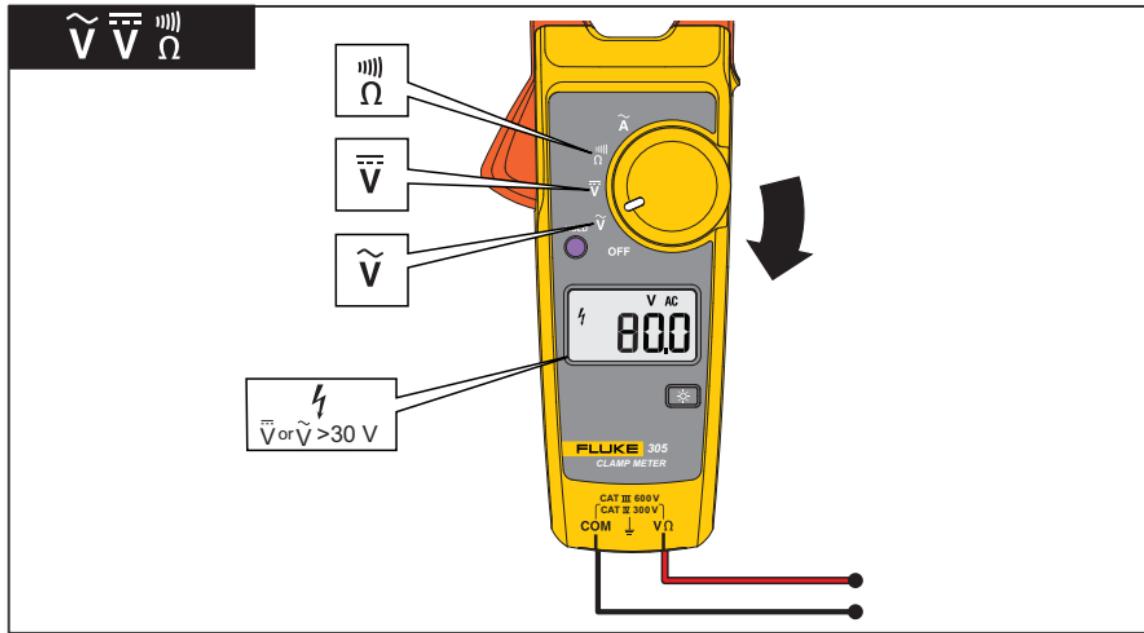
## The Product

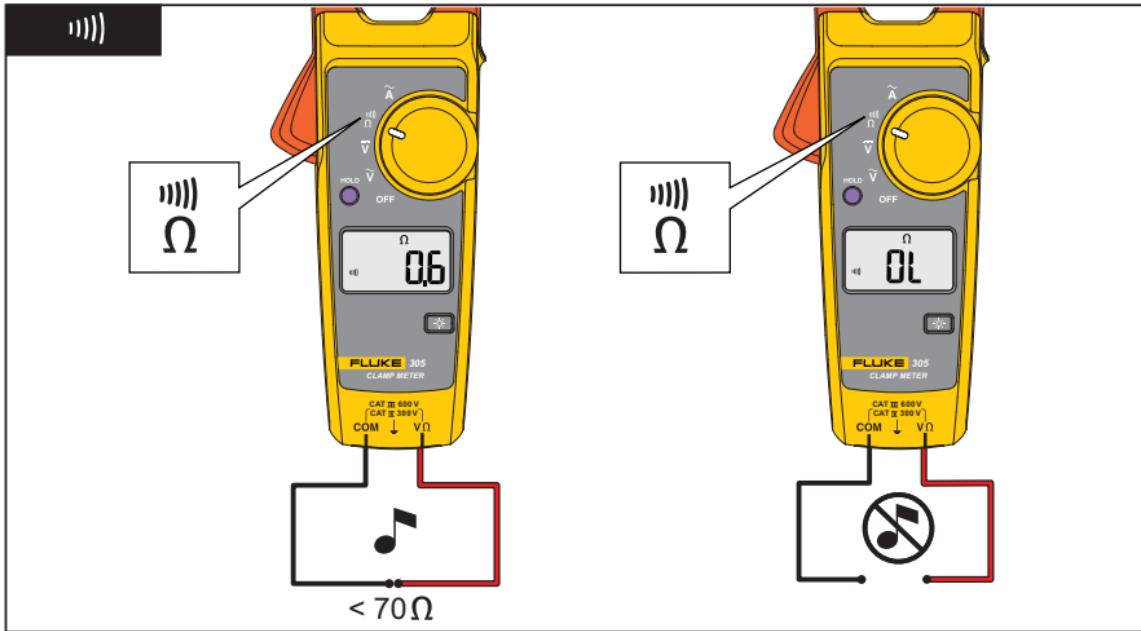


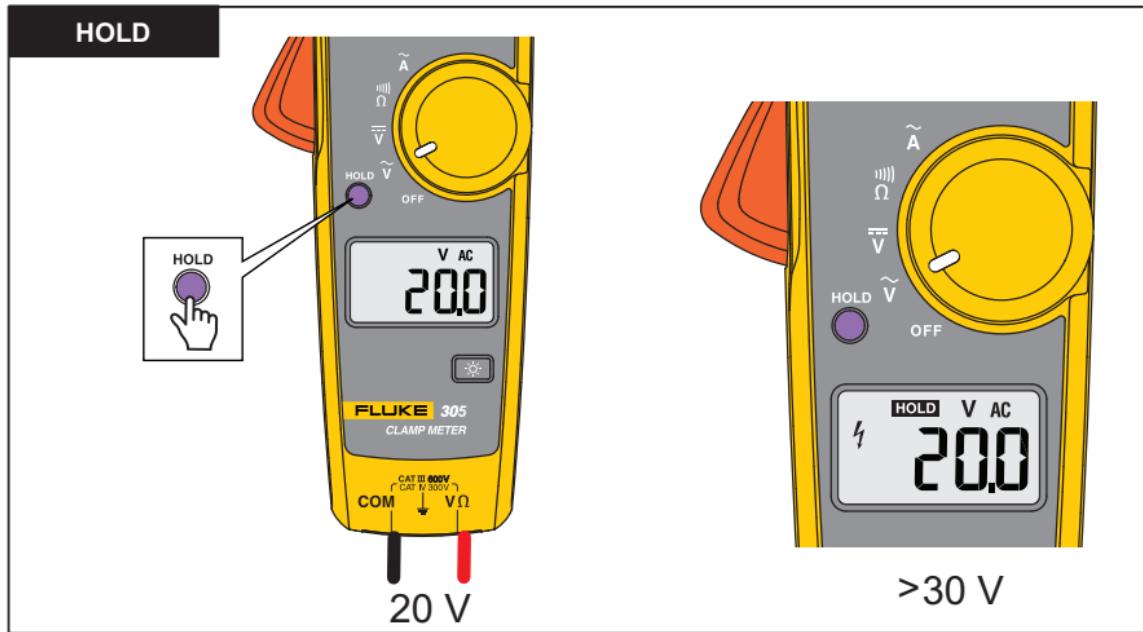


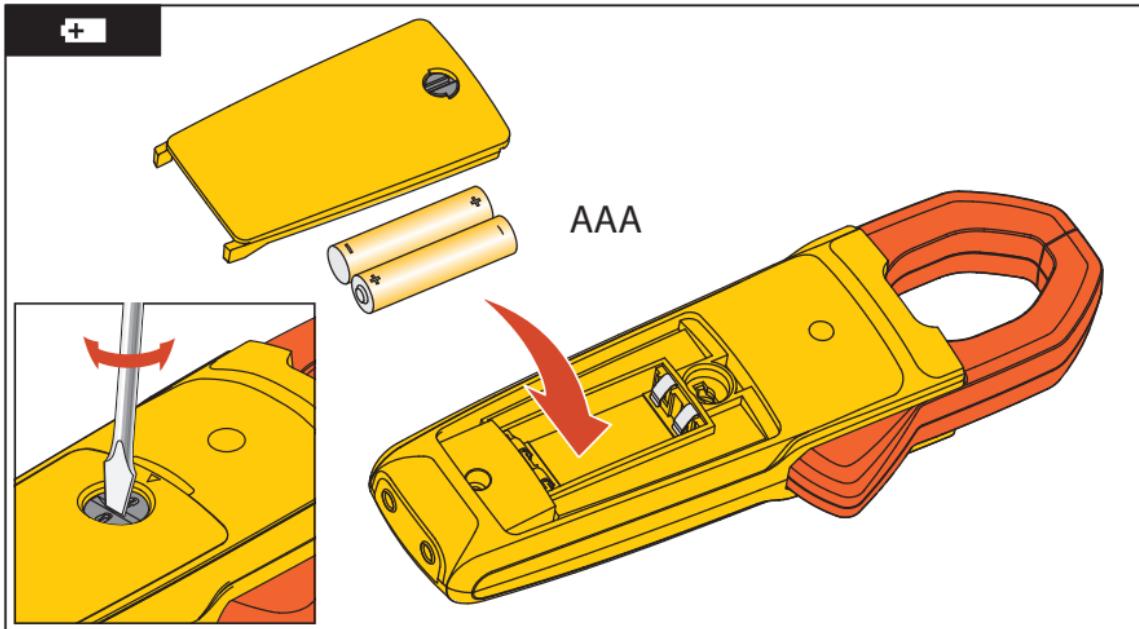












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Users Manual

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