

FLUKE®

305

Clamp Meter

Users Manual

PN 4045148 (English)
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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.

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

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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. 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)

Range999.9

Resolution0.1 A

Accuracy1.5 % ± 5 digits (45 Hz to 400 Hz)

Note

Add 2 % for position sensitivity.

AC Voltage

Range600.0 V

Resolution0.1 V

Accuracy1.5 % ± 5 digits (45 Hz to 400 Hz)

DC Voltage

Range600.0 V

Resolution0.1 V

Accuracy1 % ± 5 digits

Resistance

Range400.0 Ω /4000 Ω

Resolution0.1 Ω /1 Ω

Accuracy1 % \pm 5 digits

Continuity Beeper \leq 70 Ω

Mechanical Specifications

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

Weight205 g

Environmental Specifications

Temperature Coefficients.....Add 0.1 x specified accuracy for each $^{\circ}\text{C}$ above 28 $^{\circ}\text{C}$ or below 18 $^{\circ}\text{C}$

The Product

















