LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.
Table of Contents

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Contact Fluke</td>
<td>2</td>
</tr>
<tr>
<td>Safety Information</td>
<td>3</td>
</tr>
<tr>
<td>The Meter</td>
<td>11</td>
</tr>
<tr>
<td>Specifications</td>
<td>17</td>
</tr>
<tr>
<td>Electrical Specifications</td>
<td>17</td>
</tr>
<tr>
<td>Mechanical Specifications</td>
<td>18</td>
</tr>
<tr>
<td>Environmental Specifications</td>
<td>19</td>
</tr>
<tr>
<td>Safety Specifications</td>
<td>20</td>
</tr>
</tbody>
</table>
Introduction

⚠️⚠️ Warning

Read “Safety Information” before you use the Meter.

The Fluke 362 is a hand-held, battery-operated clamp meter (the Meter) that measures:

- ac and dc current and voltage
- resistance
- continuity

The Meter ships with:

- TL75 test leads
- two AAA batteries (installed)
- 362 User Manual
Contact Fluke
To contact Fluke, call one of the following telephone numbers:

- Technical Support USA: 1-800-44-FLUKE (1-800-443-5853)
- Calibration/Repair USA: 1-888-99-FLUKE (1-888-993-5853)
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31 402-675-200
- Japan: +81-3-3434-0181
- Singapore: +65-738-5655
- China: +86-400-810-3435
- Anywhere in the world: +1-425-446-5500

Or, visit Fluke’s website at www.fluke.com.


To see, print, or download the latest manual supplement, visit http://us.fluke.com/usen/support/manuals.
Safety Information

A **Warning** identifies conditions and actions that pose hazard(s) to the user. A **Caution** identifies conditions and procedures that could cause Meter damage, equipment under test damage, or permanent loss of data.

Symbols used on the Meter and in this manual are explained in Table 1.

⚠️⚠️**Warning**

To prevent possible electrical shock or personal injury, follow these guidelines:

- **Use the Meter only as specified in this manual or the protection provided by the Meter can be compromised.**
- **Examine the case before you use the Meter. Look for cracks or missing plastic. Carefully look at the insulation around the connectors.**
- **Never measure current while the test leads are inserted into the input jacks.**
- **Make sure the battery door is closed and latched before operating the Meter.**
• Remove the test leads from the Meter before the battery door is opened.
• Examine the test leads for damaged insulation or exposed metal. Check test lead continuity. Replace damaged test leads before using the Meter.
• Do not use the Meter if it operates incorrectly. Protection can be compromised. When in doubt, have the Meter serviced.
• Do not use the Meter around explosive gas, vapor or in damp or wet environments.
• Use only type AAA batteries, properly installed in the Meter case, to power the Meter.
• When batteries are changed, make sure the calibration seal in the battery compartment is not damaged. If damaged, the Meter may not be safe to use. Return the Meter to Fluke for replacement of the seal.
• When measuring, keep fingers behind the Tactile Barrier. See “The Meter” ①.
• To avoid false readings that can lead to electrical shock and injury, replace the batteries as soon as the low battery indicator () appears.
• When servicing the Meter, use only specified replacement parts.
• Have the Meter serviced only by qualified service personnel.
• Be careful around voltages > 30 V ac rms, 42 V ac peak, or 60 V dc. Such voltages pose a shock hazard.
• Do not apply more than the rated voltage, as marked on the Meter, between the terminals or between any terminal and earth ground.
• When using the probes, keep fingers behind the finger guards on the probes.
• Connect the common test lead before connecting the live test lead. When disconnecting test leads, disconnect the live test lead first.
• Do not work alone so assistance can be rendered in an emergency.
• Use extreme caution when working around bare conductors or bus bars. Contact with the conductor could result in electric shock.
• Adhere to local and national safety codes. Individual protective equipment must be used to prevent shock and arc blast injury where hazardous live conductors are exposed.
• Disconnect circuit power and discharge all high-voltage capacitors before you do diode tests or measure resistance or continuity.
• Do not measure ac/dc current in circuits carrying more than 600 V or 200 A with the Meter Jaw.
• Never operate the Meter with the back cover removed or the case open.
• Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage can damage the Product.
• Measure a known voltage first to make sure that the Product operates correctly.
• Only use probes, test leads, and accessories that have the same measurement category, voltage, and amperage ratings as the Product.
• Use Product-approved measurement category (CAT), voltage, and amperage rated accessories (probes, test leads, and adapters) for all measurements.
• Do not exceed the Measurement Category (CAT) rating of the lowest rated individual component of a Product, probe, or accessory.

⚠️ Caution
To avoid possible damage to the Meter or to equipment under test:
• Use the proper jacks, function, and range for the measurement application.
• Clean the case and accessories with a damp cloth and mild detergent only. Do not use abrasives or solvents.
<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>~</td>
<td>AC (Alternating Current)</td>
<td>⬇️</td>
<td>Earth ground</td>
</tr>
<tr>
<td>⋯</td>
<td>DC (Direct Current)</td>
<td>⧲</td>
<td>Double insulated</td>
</tr>
<tr>
<td>⚠️</td>
<td>Hazardous voltage</td>
<td>⧲</td>
<td>Conforms to European Union directives.</td>
</tr>
<tr>
<td>🔋</td>
<td>Battery. Low battery when shown on display.</td>
<td>⚡️</td>
<td>Application around and removal from HAZARDOUS LIVE conductors is permitted.</td>
</tr>
</tbody>
</table>
Table 1. Symbols (cont.)

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT II</td>
<td>Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.</td>
<td>CAT III</td>
<td>IEC Measurement Category III CAT III equipment has protection against transients in equipment in fixed-equipment installations, such as distribution panels, feeders and short branch circuits, and lighting systems in large buildings.</td>
</tr>
</tbody>
</table>
### Table 1. Symbols (cont.)

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT IV</td>
<td>Measurement Category IV is applicable to test and measuring circuits connected at the source of the building’s low-voltage MAINS installation.</td>
<td>⚠️</td>
<td>This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 “Monitoring and Control Instrumentation” product. Do not dispose of this product as unsorted municipal waste. Go to Fluke’s website for recycling information.</td>
</tr>
</tbody>
</table>
The Meter
Auto Power Off

Display Hold

ON + HOLD =

6.00
Clamp Meter
The Meter

Fig04_05.eps
Clamp Meter
The Meter
Specifications

Electrical Specifications

**AC Current**
- Range: 200.0 A
- Resolution: 0.1 A
- Accuracy: 2% ±5 digit (45 Hz-65 Hz)
  - 2.5% ±5 digits (65 Hz-400 Hz)

**DC Current**
- Range: 200.0 A
- Resolution: 0.1 A
- Accuracy: 2% ±5 digit

**AC Voltage**
- Range: 600.0 V
- Resolution: 0.1 V
- Accuracy: 1.5% ±5 digits (45 Hz-400 Hz)
**362**

*Users Manual*

**DC Voltage**
Range ........................................... 600.0 V
Resolution ....................................... 0.1 V
Accuracy ........................................ 1 % ±5 digits

**Resistance**
Range ........................................... 300 Ω/3000 Ω
Resolution ....................................... 0.1 Ω/1 Ω
Accuracy ........................................ 1 % ±5 digits

**Continuity**
Beeper on Threshold ......................... ≤ 70 Ω

**Mechanical Specifications**
Size (L x W x H) ................................. 205 mm x 60 mm x 22 mm
Weight ............................................ 196 g
Jaw Opening .................................... 18 mm
Clamp Meter
Specifications

Environmental Specifications
Operating Temperature..........................0 °C to +40 °C
Storage Temperature............................-30 °C to +60 °C, 100 hours under -40 °C
Operating Humidity ..............................Non condensing (< 10 °C)
≤ 90 % RH (at 10 °C to 30 °C)
≤ 75 % RH (at 30 °C to 40 °C)
≤ 45 % RH (at 40 °C to 50 °C)
(Without Condensation)
Operating Altitude ..............................2000 meters
Storage Altitude .................................12,000 meters
IP Rating ..........................................IP 30 per IEC/EN 60529; Case
Vibration Requirements .......................MIL-PRF-28800F, Class 2
Electromagnetic Environment .................. IEC/EN 61326-1 (portable)
Temperature Coefficients ........................ Add 0.1 x specified accuracy for each degree C above

28 °C or below 18 °C

Safety Specifications
Safety Compliance .................. IEC/EN 61010-1
.............................................. IEC/EN 61010-2-032

Batteries ............................................. 2 AAA