374 and 375 True-rms AC/DC Clamp Meters

Work horse clamps with increased performance and flexibility

The new Fluke 374 and 375 clamp meters offer improved performance perfect for many current measurement situations. With true-rms ac voltage and current measurements, the Fluke 374 and 375 can read up to 600 V and 600 A in both ac and dc modes. Additionally, both are compatible with the new iFlex™ flexible current probe (sold separately) which expands the measurement range to 2500 A ac and provides increased display flexibility, ability to measure around awkward sized conductors and improved wire access.

Technical Data

**Measurement capability**
- 600 A ac and dc current measurement with fixed jaw
- 2500 A ac current measurement with iFlex™ flexible current probe (sold separately)
- 600 V ac and dc voltage measurement
- True-rms ac voltage and current for accurate measurements on non-linear signals
- Frequency measurement to 500 Hz with both jaw and iFlex™ (Fluke 375 only)
- Resistance measurement to 60 kΩ (Fluke 375) or 6000 Ω (Fluke 374) with continuity detection
- Min, max, average and inrush recording to capture variations automatically
- 500 mV dc measurement range to interface with other accessories (Fluke 375 only)
- 1000 μF capacitance measurement

**Features**
- iFlex™ flexible current probe expands the measurement range to 2500 A ac while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access
- CAT IV 600V, CAT III 1000 V safety rating
- Integrated low pass filter (Fluke 375 only) and state of the art signal processing allows for use in noisy electrical environments while providing stable readings
• Proprietary inrush measurement technology to filter out noise and capture motor starting current exactly as the circuit protection sees it
• Ergonomic design fits in your hand and can be used while wearing personal protective equipment
• Large, easy to read, backlight display automatically sets the correct measurement range so you do not need to change switch positions while taking a measurement
• Three-year warranty
• Soft carrying case

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Model</th>
<th>Fluke 374-10</th>
<th>Fluke 375-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>600 A</td>
<td>600 A</td>
<td>2500 A</td>
</tr>
<tr>
<td>Max Resolution</td>
<td>0.1 A</td>
<td>0.1 A</td>
<td>0.1 A</td>
</tr>
<tr>
<td>Accuracy</td>
<td>2 % ± 5 digits</td>
<td>3 % ± 5 digits</td>
<td>2 % ± 5 digits</td>
</tr>
<tr>
<td>DC Voltage</td>
<td>600 V</td>
<td>0.1 V</td>
<td>0.1 V</td>
</tr>
<tr>
<td>Resolution</td>
<td>60,000 Ω (275)</td>
<td>6000 Ω (374)</td>
<td>0.1 Ω</td>
</tr>
<tr>
<td>Frequency (375 only)</td>
<td>500 Hz</td>
<td>0.1 Hz</td>
<td>0.5 % ± 5 digits</td>
</tr>
<tr>
<td>Capacitance</td>
<td>1 µF to 1000 µF</td>
<td>1 µF</td>
<td>1 % ± 4 digits</td>
</tr>
<tr>
<td>True-rms</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Continuity</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Hold</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Backlight</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Min/Max</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Inrush</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Low pass filter</td>
<td>Fluke 375 only</td>
<td>Fluke 375 only</td>
<td>Fluke 375 only</td>
</tr>
<tr>
<td>18 in iFlex™ Flexible Current Probe</td>
<td>Optional accessory</td>
<td>Optional accessory</td>
<td>Optional accessory</td>
</tr>
<tr>
<td>10 in iFlex™ Flexible Current Probe</td>
<td>Optional accessory</td>
<td>Optional accessory</td>
<td>Optional accessory</td>
</tr>
<tr>
<td>Wire capacity</td>
<td>750 MCM or 2-500 MCM</td>
<td>750 MCM or 2-500 MCM</td>
<td>750 MCM or 2-500 MCM</td>
</tr>
<tr>
<td>Safety rating</td>
<td>CAT III 1000 V</td>
<td>CAT III 1000 V</td>
<td>CAT IV 600 V</td>
</tr>
</tbody>
</table>

Models | Feature Changes
-------|-----------------
Old model: Fluke 337 | Includes all 337 features plus:
New model: Fluke 374 | CAT IV 600 V, CAT III 1000 V
New model: Fluke 375 | CAT IV 600 V, CAT III 1000 V
New model: Fluke 374 | Optional iFlex™ 2500 A ac
New model: Fluke 375 | 60 kΩ
New model: Fluke 374 | 1000 µF
New model: Fluke 375 | 1000 µF
New model: Fluke 374 | CAT IV 600 V, CAT III 1000 V
New model: Fluke 375 | Optional iFlex™ 2500 A ac
New model: Fluke 374 | CAT IV 300 V, CAT III 600 V
New model: Fluke 375 | 1000 µF
New model: Fluke 374 | True-rms
New model: Fluke 375 | 1000 µF

Ordering information
374 True-rms AC/DC Clamp Meter
375 True-rms AC/DC Clamp Meter

Optional accessories
i2500-10 iFlex™ Flexible Current Probe, 10 inches
i2500-18 iFlex™ Flexible Current Probe, 18 inches

Fluke Corporation
PO Box 9000, Everett, WA 98206 U.S.A.
Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands
For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or
Fax (905) 890-8866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: http://www.fluke.com
©2010 Fluke Corporation.
Specifications subject to change without notice.
Printed in U.S.A. 7/20/10 38013518 D-EN-N
Modification of this document is not permitted
without written permission from Fluke Corporation.