

FLUKE®

**Fluke 317/319
True RMS Clamp Meters**

Accurate. Rugged. Safe.

New



Fluke 317/319

True RMS Clamp Meters

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Fluke 317, 319 functions: new/improved features

- Thin jaws and small, light body mean the meters are more suitable for use in confined spaces.
- Large 1000 A AC/DC current measurement with AC/DC voltage measurement.
- Inrush measurement technology allows measurement of starting current for devices such as motors and lightning equipment; integration time is 100 ms (Fluke 319 only).
- Frequency measurements enable accurate measurement of PWM output signal frequency (Fluke 319 only).
- True RMS AC/DC measurement
- Min/max function suitable for current and voltage
- Large easy to read, 6000 count backlit display
- 4000 Ω resistance measuring span
- Data hold function can save measurement results on the screen
- Continuity beeper $\leq 30 \Omega$
- Auto Power Off function maximises battery life span
- Clamp opening: 37 mm (1.45 inch)
- Warranty - 1 year

| General specifications | |
|----------------------------|--|
| Power supply | 3x AAA IEC LR03 batteries |
| Max. jaw opening | 37 mm (1.45 in) |
| Jaw diameter | 37 mm (1.45 in) |
| Dimensions (L x W x H) | 234 mm x 74 mm x 34.8 mm |
| Weight | 384 g (13.5 oz) (with battery) |
| Calibration | Fully manual calibration and testing, one year calibration testing period |
| Digital display resolution | 6000 digits |
| Safety | CE EN/IEC 61010-1 and IEC 61010-2-032 Measurement category: 600 V CAT III (Category III) |

| Environmental indicators | |
|--------------------------|--|
| Working temperature | -10°C to 50°C (14°F to 122°F) |
| Storage temperature | -40°C to 60°C (-40°F to 140°F) |
| IP equivalent | IP40 |
| Drop test requirements | Drop height tested to 1 m (3 ft), all six sides tested, oak flooring |



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Technical specifications

| Function | Parameter | Fluke 317 | Fluke 319 |
|---|-------------------------|--|---|
| AC Current | Measurement | 40.00 A | 40.00 A |
| | | 600.0 A | 600.0 A |
| | | | 1000 A |
| | Resolution | 0.01 A | 0.01 A |
| | | 0.1 A | 0.1 A |
| | | | 1 A |
| | Precision | Accuracy 1.6% ± 6 digits (50-60 Hz) [40 A] | 1.6% ± 6 digits (50-60 Hz) [40 A] |
| 2.5% ± 8 digits (60-500 Hz) [40 A] | | 2.5% ± 8 digits (60-500 Hz) [40 A] | |
| 1.5% ± 5 digits (50-60 Hz) [600 A] | | 1.5% ± 5 digits (50-60 Hz) [600/1000 A] | |
| 2.5% ± 5 digits (60-500 Hz) [600 A] | | 2.5% ± 5 digits (60-500 Hz) [600/1000 A] | |
| When crest factor CF > 2, increase the specifications by 2% | For 500 A, maximum 3.0 | For 500 A, maximum 3.0 | |
| | For 600 A, maximum 2.5 | For 600 A, maximum 2.5 | |
| AC response | RMS | RMS | |
| DC Current | Range | 40.00 A | 40.00 A |
| | | 600.0 A | 600.0 A |
| | | | 1000 A |
| | Resolution | 0.01 A | 0.01 A |
| | | 0.1 A | 0.1 A |
| | | | 1 A |
| Accuracy | 1.6% ± 6 digits [40 A] | 1.6% ± 6 digits [40 A] | |
| | 1.5% ± 5 digits [600 A] | | |
| AC voltage | Range | 600.0 V | |
| | Resolution | 0.1V | |
| | Accuracy | 1.5% ± 5 digits (20-500Hz) | |
| | AC response | RMS | |
| DC voltage | Range | 600.0 V | |
| | Resolution | 0.1 V | |
| | Accuracy | 1% ± 4 digits | |
| Resistance | Measurement | 4000 Ω | |
| | Resolution | 0.1 Ω | |
| | | 1.0 Ω | |
| | Accuracy | 1% ± 5 digits | |
| Continuity | | ≤ 30 Ω | |
| Inrush current | Integration time | NA | 100 ms |
| Frequency | Measuring span | NA | 5.0-500.0 Hz |
| | Accuracy | NA | 0.5% ± 5 digits |
| | Power level | NA | 10 - 100 Hz ≥ 5 A, 5 - 10 Hz, 100 - 500 Hz ≥ 10 A |



Fluke 317/319 True RMS Clamp Meters

- Frequency measurement (Fluke 319)
- Unique 40 A low frequency measurements capability with 0.01 A resolution, 1.6 % accuracy

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Also available

DIGITAL MULTI METERS

FLUKE 15B / 17B



FLUKE 115



FLUKE 179 with TPAK



CLAMP METERS

FLUKE 322



FLUKE 374



FLUKE iFlex™



ADDITIONAL RANGE

FLUKE TL 175



LVD 2



FLUKE 62



Look out for this sticker on every Fluke test tool Packaging



Look out for this hologram sticker on every Fluke test tool



Look for Genuine Warranty Sticker

Fluke. Keeping your world up and running.®

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Your nearest representative

