

Probing Solutions

CP015 CP150

AC/DC
Current
Probes

LEADING SPECIFICATIONS

CP015

- 15 A peak
- 50 MHz bandwidth
- Measure pulses up to 50 A peak

CP150

- 150 A RMS
- 10 MHz bandwidth
- Measure pulses up to 500 A peak

- ProBus® compatible



150 amp, 10 MHz CP150 (left) and the 15 amp, 50 MHz CP015 (right)

Measure AC and DC Currents

Measuring AC, DC, and impulse currents has just become easier with the introduction of the CP015 and CP150 probes. Based on a combination of Hall effect and transformer technology, these current probes are ideal for making accurate power measurements. There is no longer a need to own an AC and a DC current probe, because the CP015 and CP150 can measure both.

Small Form Factor

Insulated wires aren't always easily accessible, which is why a small form factor solution will greatly simplify measuring. However, while retaining a small form factor, the CP015 and CP150 have a large jaw size, enabling most common insulated wires (in the current range of the respective probes) to be measurable.

Degauss and Autozero

The degauss function, measurement units, and scale factors are all controlled from the oscilloscope's front panel. This means all measurements and units will be correct without the need to compensate for attenuation differences between the probe and the oscilloscope. In addition, the oscilloscope provides power to the probe, so there is no hassling with an external power supply or changing batteries.

When using the CP015 and CP150 probes, the measurement system offsets can be easily set to zero by pushing a button in the oscilloscope's coupling menu. This makes it easy to get accurate measurements.

The CP015 and CP150 can be used with LeCroy oscilloscopes with firmware version 8.6.0 or later.

Electrical Characteristics

Max Continuous Input Current :

CP015	15 A
CP150	150 A

Bandwidth (probe only) :

CP015	50 MHz
CP150	10 MHz

Max Peak Current (at pulse width) :

CP015	50 A (10 μ s)
CP150	500 A (30 μ s)

Max In-Phase Current (across all oscilloscope channels) :

CP150	500 A
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Low-Frequency Accuracy (probe only at 23 \pm 3 $^{\circ}$ C) :

CP015	1%
CP150	1%

Risetime :

CP015	7 ns
CP150	35 ns

AC Noise (referenced to input) :

CP015	2.5 mA
CP150	25 mA

Insertion Impedance :

CP015	0.5	at 5 MHz
CP150	0.1	at 5 MHz

Minimum Sensitivity :

CP015	20 mA/div
CP150	200 mA/div

Coupling :

DC and ground

General Characteristics

Cable Length : 2 meters

Weight (probe only) :

CP015	230 g (8.1 oz)
CP150	500 g (17.6 oz)

Usage Environment : Indoor

Operating Temperature : 0 $^{\circ}$ C to 40 $^{\circ}$ C

Max Altitude : 2000 meters

Max Relative Humidity : 80%

Warranty : One year

Max Conductor Size (diameter) :

CP015	5 mm (0.2")
CP150	20 mm (0.79")

Interface : ProBus, 1 M only

Maximum Insulated Wire Voltage :

CP015	300 V CAT I
CP150	600 V CAT II 300 V CAT III

Sales and Service Throughout the World

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Phone (1) 845 578 6020
Fax (1) 845 578 5985

Ordering Information

15 A DC/AC Current Probe, 50 MHz	CP015
150 A DC/AC Current Probe, 10 MHz	CP150
CP015 Instruction Manual, English	CP015-OM-E
CP150 Instruction Manual, English	CP150-OM-E

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