

Current Probes Fact Sheet

Current Probes for Every Application



Key Specifications							
	CP030 (CP030-3M)	CP030A	CP031	CP031A	CP150 (CP150-6M)	CP500	
Max Continuous Current	30 A _{rms}				150 A _{rms}	500 A _{rms}	
Max Peak Current	50 A (non-continuous)				300 Apeak (non- continuous); 500 Apeak ≤ 30 µs	700 A (non- continuous)	
Bandwidth	50 MHz (10 MHz)	50 MHz	100 MHz		10 MHz (5 MHz)	2 MHz	
Minimum Sensitivity	10 mA/div	1 mA/div	10 mA/div	1 mA/div	100 mA/div		

Easy to Use

- No need to break the circuit or insert a shunt
- Small form factors for use on crowded boards

Variety of Applications

- Bandwidths up to 100 MHz
- Peak currents up to 700 A
- Sensitivities down to 1mA/div

• High Precision Measurements

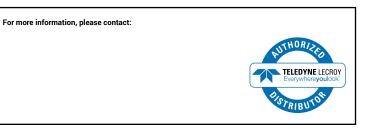
- Low frequency accuracy of 1%
- Integrated autozero capability

• Fully Integrated with Teledyne LeCroy Oscilloscope

- No additonal hardware is required
- Power is supplied from oscilloscope ProBus connection
- Automatic display of waveforms in Amps and calculated power traces scaled correctly in Watts
- Degauss and Autozero directly from oscilloscope user interface

DCS025 Deskew Calibration Source

 Provides ability to precisely deskew most voltage probes along with 30, 150 and 500A current probes





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Key Features

- Max continuous currents ranging from 30 A_{rms} to 500 A_{rms}
- Max peak currents from 50 A_{peak} to 700 A_{peak}
- Wide bandwidths from 2 MHz to 100 MHz
- ProBus active probe interface with automatic scaling in A/div
- Autozero and degauss capabilities built into user interface
- Sensitivity down to 1 mA/div
- Precise voltage and current deskew with the DCS025 deskew calibration fixture

Ordering Information

Current Probes			
CP030	30 A; 50 MHz Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse		
CP030-3M	30A; 10 MHz Current Probe - AC/DC, 30 Arms; 50 A Peak Pulse, 3 meter cable (not EMC compliant)		
CP030A	30 A; 50 MHz High Sensitivity Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse		
CP031	30 A; 100 MHz Current Probe - AC/DC; 30 Arms; 50 A Peak Pulse		
CP031A	30 A; 100 MHz High Sensitivity Current Probe – AC/DC; 30 Arms; 50 A Peak Pulse		
CP150	150 A; 10 MHz Current Probe – AC/DC; 150 Arms; 500 A Peak Pulse		
CP150-6M	150 A; 5 MHz Current Probe – AC/DC; 150 Arms; 500 A Peak Pulse, 6 meter cable (not EMC compliant)		
CP500	500 A; 2 MHz Current Probe – AC/DC; 500 Arms; 700 A Peak Pulse		
DCS025	Deskew Calibration Source		

Mouser Electronics

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Teledyne LeCroy: <u>CP031</u> CP030