

Current Probes for Every Application



- **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 additional 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

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 A _{peak} (non-continuous); 500 A _{peak} ≤ 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	

For more information, please contact:





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

Authorized Distributor

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[Teledyne LeCroy:](#)

[CP031](#) [CP030](#)