














Current Probe

Model Parameter	CP4020	CP4050	CP4070	CP4070A
				
Bandwidth	DC-200kHz	DC-1MHz	DC-300kHz	DC-300kHz
Rise Time	1.75 μ S	0.35 μ S	1.2 μ S	1.2 μ S
Max. effective Value of AC	20 Arms	50 Arms	70 Arms	70 Arms
Peak-Peak Value	60 A	140 A	200 A	200 A
Range Switch	50mV/A; 5mV/A	500mV/A; 50mV/A	50mV/A; 5mV/A	100mV/A; 10mV/A
DC Accuracy	$\pm 2\% \pm 0.4A$ at 50mV/A (0.4A-10A p-p range); $\pm 2\% \pm 1A$ at 5mV/A (1A-60A p-p range)	$\pm 3\% \pm 20mA$ at 500mV/A (20mA-14A peak range); $\pm 4\% \pm 200mA$ at 50mV/A (200mA-100A peak range); $\pm 15\%$ max at 50mV/A (100A peak-140A peak range)	$\pm 2\% \pm 0.4A$ at 50mV/A (0.4A-10A p-p range); $\pm 2\% \pm 1A$ at 5mV/A (1A-200A p-p range)	$\pm 3\% \pm 50mA$ at 100mV/A (50mA-10A peak range); $\pm 4\% \pm 50mA$ at 10mV/A (500mA - 40A peak range); $\pm 15\%$ max at 10mV/A (40A-200A peak range)
Power Supply	DC 9V Adapter			
Max. rated Voltage to earth	CAT III 600V, CAT II 600V	CAT III 300V, CAT II 600V		CAT III 600V, CAT II 600V
Conductor Size	10.3mm	10.3mm	10.3mm	11mm

Model Parameter	CP6030	CP6030A	CP6150	CP6500
				
Bandwidth	DC-50MHz	DC-100MHz	DC-12MHz	DC-5MHz
Rise Time	$\leq 7\text{nS}$	$\leq 3.5\text{nS}$	$\leq 29\text{nS}$	$\leq 70\text{nS}$
Max. effective Value of AC	30 Arms	30 Arms	150 Arms	500 Arms
Peak-Peak Value	50 A	50 A	300 A	750 A
Range	5A(1X)/30A(10X)	5A(1X)/30A(10X)	30A(10X)/150A(100X)	75A(10X)/500A(100X)
Overload Value	5A($\geq 5\text{A}$) 30A($\geq 50\text{A}$)	5A($\geq 5\text{A}$) 30A($\geq 50\text{A}$)	30A($\geq 30\text{A}$) 150A($\geq 300\text{A}$)	75A($\geq 75\text{A}$) 500A($\geq 750\text{A}$)
Current Transfer Ratio	5A(1V/A) 30A(0.1V/A)	5A(1V/A) 30A(0.1V/A)	30A(0.1V/A) 150A(0.01V/A)	75A(0.1V/A) 500A(0.01V/A)
Measurement Resolution	5A(1mA) 30A(10mA)	5A(1mA) 30A(10mA)	30A(10mA) 150A(100mA)	75A(10mA) 500A(100mA)
DC Accuracy	5A($\pm 1\% \pm 1\text{mA}$) 30A($\pm 1\% \pm 10\text{mA}$)	5A($\pm 1\% \pm 1\text{mA}$) 30A($\pm 1\% \pm 10\text{mA}$)	30A($\pm 1\% \pm 10\text{mA}$) 150A($\pm 1\% \pm 100\text{mA}$)	75A($\pm 1\% \pm 10\text{mA}$) 500A($\pm 1\% \pm 100\text{mA}$)
Max. rated Voltage to earth	300V CAT I		300V CAT III	600V CAT II
Conductor Diameter Max	5mm		20mm	
Cable Length	1m		1.5m	
Power Supply	DC 12V/1A			
BNC Length	100cm			
Weight	255g		555g	525g

Model	CPL5100	
Parameter		
		
Range Level	23°C , 60%RH, cable under test get through the test center, load resistance 1MΩ	
Current Range	L	H
Attenuation Accuracy	50mA~10A Peak	1A~100A Peak
Typical DC Precision	0.1V/A	0.01V/A
DC Accuracy	3%±50mA	500mA~40A Peak: 4%±50mA; 40A~100A Peak: ±15% Maximum
Bandwidth (-3dB)	DC-600kHz	
Phase Shift	DC ~ 65Hz: <1.5°	DC ~ 65Hz: <1°
Typical DC Linearity	The typical DC linearity at H level (0.01 V/A)	
Rise Time	≤ 583ns	
Max Operation Current	10A	100A
Max Operation Voltage	600V	
Max Floating Voltage	600V	
Operating Voltage RMS	CATI 600V CATII 600V CATIII 300V	
Common Mode Voltage RMS	CATI 600V CATII 600V CATIII 300V	
Typical Battery Type and Life	9 V alkaline layer-built battery/ 15 H	
Low Power Indication	When battery voltage is lower than 6.5 V, battery indicator will turn red and alert	
Overload Indication	When the current under test surpasses the range, the buzzer will buzz	
Length of the Cable connecting current clamp and output box	1 m	
Length of double terminal BNC Cable	1 m	

Model Parameter	SCP5030	SCP5030A	SCP5150	SCP5500
				
Bandwidth	DC-50MHz	DC-100MHz	DC-12MHz	DC-2MHz
Rise Time	$\leq 7\text{nS}$	$\leq 3.5\text{nS}$	$\leq 29\text{nS}$	$\leq 175\text{nS}$
Max. effective Value of AC	30 Arms	30 Arms	150 Arms	500 Arms
Peak-Peak Value	50 A	50 A	300 A	750 A
Range	5A(1X)/30A(10X)	5A(1X)/30A(10X)	30A(10X)/150A(100X)	75A(10X)/500A(100X)
Overload Value	5A($\geq 5\text{A}$) 30A($\geq 50\text{A}$)	5A($\geq 5\text{A}$) 30A($\geq 50\text{A}$)	30A($\geq 30\text{A}$) 150A($\geq 300\text{A}$)	75A($\geq 75\text{A}$) 500A($\geq 750\text{A}$)
Current Transfer Ratio	5A(1V/A) 30A(0.1V/A)	5A(1V/A) 30A(0.1V/A)	30A(0.1V/A) 150A(0.01V/A)	75A(0.1V/A) 500A(0.01V/A)
Measurement Resolution	5A(1mA) 30A(10mA)	5A(1mA) 30A(10mA)	30A(10mA) 150A(100mA)	75A(10mA) 500A(100mA)
DC Accuracy	5A($\pm 1\% \pm 1\text{mA}$) 30A($\pm 1\% \pm 10\text{mA}$)	5A($\pm 1\% \pm 1\text{mA}$) 30A($\pm 1\% \pm 10\text{mA}$)	30A($\pm 1\% \pm 10\text{mA}$) 150A($\pm 1\% \pm 100\text{mA}$)	75A($\pm 1\% \pm 10\text{mA}$) 500A($\pm 1\% \pm 100\text{mA}$)
Max. rated Voltage to earth	300V CAT I		300V CAT III	600V CAT II
Conductor Diameter Max	5mm		20mm	
Power Supply	Directly powered by the oscilloscope through SAPBUS			
Weight	270g		475g	