


## Current Probe

Parameter	Model	CP4020	CP4050	CP4070	CP4070A
					
<b>Bandwidth</b>		DC-100 kHz	DC-1 MHz	DC-150 kHz	DC-300 kHz
<b>Rise time</b>		≤3.5 μs	≤0.35 μs	≤2.3 μs	≤1.2 μs
<b>Max.effective value of AC</b>		20 Arms	50 Arms	70 Arms	70 Arms
<b>Peak-Peak Value</b>		60 A	140 A	200 A	200 A
<b>Range Switch</b>		50 mV/A; 5 mV/A	500 mV/A; 50 mV/A	50 mV/A; 5 mV/A	100 mV/A; 10 mV/A
<b>DC Accuracy</b>		±2% (0.4 A-10 ApK) at 50 mV/A ±2% (1 A-60 ApK) at 5 mV/A	±3%±20 mA (20 mA-14 ApK) at 500 mV/A; ±4%±200 mA (200 mA-100 ApK) at 50 mV/A; ±15% max (100 A-140 ApK) at 50 mV/A	±2% (0.4 A-10 ApK) at 50 mV/A ±2% (1 A-200 ApK) at 5 mV/A	±3%±50 mA (50 mA-10 ApK) at 100 mV/A; ±4%±50 mA (500 mA-40 ApK) at 10 mV/A; ±15% max (40 A-200 ApK) at 10 mV/A
<b>Power Supply</b>		9 V battery			
<b>Max. rated voltage to earth</b>		300 V CAT III 600 V CAT II			
<b>Conductor Size</b>		10.3 mm	10.3 mm	10.3 mm	11 mm
<b>Cable Length</b>		200 cm	100 cm	100 cm	100 cm
<b>Weight</b>		310 g	310 g	310 g	260 g

Parameter	Model	CP5030	CP5030A	CP5150	CP5500
					
<b>Bandwidth</b>		DC-50 MHz	DC-100 MHz	DC-12 MHz	DC-5MHz
<b>Rise time</b>		≤7 ns	≤3.5 ns	≤29 ns	≤70ns
<b>Max.effective value of AC</b>		30 Arms	30 Arms	150 Arms	500 Arms
<b>Peak-Peak Value</b>		50 A	50 A	300 A	750 A
<b>Range</b>		5 A (1 X)/ 30 A (10 X)	5 A (1 X) / 30 A (10 X)	30 A (1X)/150 A(10 X)	75 A (1 X)/500 A(10 X)
<b>Overload Value</b>		5 A (≥5 A) 30 A (≥50 A)	5 A (≥5 A) 30 A (≥50 A)	30 A(≥30 A) 150 A (≥300 A)	75 A (≥50 A) 500 A (≥500 A)
<b>Current Transfer Ratio</b>		5 A (1 V/A) 30 A (0.1 V/A)	5 A (1 V/A) 30 A (0.1 V/A)	30 A (0.1 V/A) 150 A (0.01 V/A)	75 A (0.1 V/A) 500 A (0.01 V/A)
<b>Measurement Resolution</b>		5 A (1 mA) 30 A (10 mA)	5 A (1 mA) 30 A (10 mA)	30 A (5 mA) 150 A (50 mA)	75 A (5 mA) 500 A (50 mA)
<b>DC Accuracy</b>		5 A (±1%±1 mA) 30 A (±1%±10 mA)	5 A (±1%±1 mA) 30 A (±1%±10 mA)	30 A (±1%±10 mA) 150 A (±1%±100 mA)	75 A (±1%±10 mA) 500 A (±1%±100 mA)
<b>Power Supply</b>		DC 12 V/1.2 A			
<b>Max. rated voltage to earth</b>		300 V CAT III		300 V CAT III 600 V CAT II	
<b>Conductor Diameter Max.</b>		5 mm		20 mm	
<b>Cable Length</b>		1 m		1.5 m	
<b>BNC Length</b>		100 cm			
<b>Weight</b>		240 g		500 g	510 g

Parameter	CPL5100	
		
<b>Range level</b>	23°C , 60%RH, cable under test get through the test center, load resistance 1MΩ	
<b>Current range</b>	L	H
<b>Attenuation accuracy</b>	50 mA~10 A Peak	1 A~100 A Peak
<b>Typical DC precision</b>	0.1 V/A	0.01 V/A
<b>Band Width (-3dB)</b>	DC-600 kHz	
<b>DC Accuracy</b>	3%±50 mA	1500 mA~40 A Peak: 4%±50 mA; 40 A~100 A Peak: ±15% Maximum
<b>Phase shift</b>	DC~65 Hz: <1.5°	DC~65 Hz: <1°
<b>Typical DC linearity</b>	The typical DC linearity at H level (0.01 V/A), Figure 4	
<b>Rise time</b>	≤583 ns	
<b>Max operation current</b>	10 A	100 A
<b>Max operation voltage</b>	600 V	
<b>Max floating voltage</b>	600 V	
<b>Operating voltage RMS</b>	CATI 600 V CATII 600 V CATIII 300 V	
<b>Common mode voltage RMS</b>	CATI 600 V CATII 600 V CATIII 300 V	
<b>Typical battery type and life</b>	9 V alkaline layer-built battery/ 15 H	
<b>Low power indication</b>	When battery voltage is lower than 6.5 V, battery indicator will turned red and alert	
<b>Overload indication</b>	When the current under test surpasses the range, the buzzer will buzz	
<b>Length of the cable connecting current clamp and output box</b>	1 m	
<b>Length of double terminal BNC cable</b>	1 m	
<b>Weight</b>	About 223 g (without battery)	