

Model	ACP3000	ACP1000	ACP300	ACP100	ACP3050
Maximum Current	±3,000A	±1,000A	±300A	±100A	±30A
Bandwidth	DC-30MHz	DC-40MHz	DC-50MHz	DC-150MHz	DC-50MHz
Rise Time	≤11.7nS	≤8.5nS	≤7nS	≤2.3nS	≤7nS
Accuracy	±1% Typical value (±3% Warranty value)				5A:±1%±1mA 30A:±1%±10mA
Low/High Range Max Current	500A/3000A	100A/1000A	30A/300A	100A	5A/30A
Attenuation Ratios	100X/1000X	50X/500X	20X/200X	20X	1X/10X
Minimum Detectable Current	0.1A/1A	0.05A/0.5A	0.02A/0.2A	0.02A	0.001A/0.01A
Maximum Conductor Diameter	20mm		5mm		
Maximum Voltage for Exposed Conductors	600V RMS CATII, 300V RMS CATIII	300V RMS CATII, 150V RMS CATIII	150V RMS CATII, 100V RMS CATIII		300V CATI
Power Requirements	Oscilloscope powered directly / powered via USB-TYPE C cable				Powered by adapter
Long-term Maximum Current Test	Support				
Maximum Current vs. Frequency Derating	Unnecessary				Necessary
Sensor	Collision-proof design, overrange protection, and stable measurement performance				\
Operating Temperature Range	-40~+85℃				10~+40℃
Designed for Operation in Dusty Environments	Yes				\
Designed for Operation in High-Vibration Environments	Yes				\
Probe Head Size					
L	17.8 CM		17.5 CM		18.5 CM
W	2.8 CM		1.8 CM		1.9 CM
H	6.8 CM		4 CM		3.1 CM
Cable length	2 M		2 M		2 M



Note: Except for ACP3050, the following are the specifications:

1. Maximum non-destructive current: Unlimited; exceeding the maximum current will not damage the probe.
2. If the probe measures a large current first and then a small current, residual magnetism in the sensor after the large current measurement will cause zero-point offset. Zeroing must be performed again before testing the small current.
3. The probe's accuracy has a fixed error value of $\pm 1\%$ $\pm 200\text{mA}$.
4. The probe's performance is evaluated based on a 3% accuracy rating.