

# Current Transformers Power Quality Accessories



- Used with the PA-9Plus and other data recorders
- Available in a flexible or clamp-on option
- A number of lengths and sizes for all power measurement needs
- Special rain tight CT allows for functionality in outside environments
- Easy to use and install

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## DESCRIPTION

Megger offers a comprehensive line of both flexible and clamp-on current transformers that are used with power quality analyzers and recording volt-ammeters. These accessories are specifically geared for use with the entire PA-9 Series along with the SLM-8 Recording Volt-Ammeter and the older PA7, RVA4 and RA recorders.

The flexible CT, also known as a current probe (CP) or current clamp, is self powered and does not require the use of a battery when used with Megger PA-9 or PA-9Plus instruments. Megger also markets a battery-operated CT for customers who require one with their power quality product or older Megger unit.

The Megger flexible CT effectively responds to all current measurement needs by offering a number of size/length options. Whereas the clamp-on CT is limited in its variety of uses, the flexible current transformer is most effective in tight areas where space is limited and around oversized buss bars, odd-shaped structures or thick cable bundles. Its ease of use in areas where safety is a concern makes the flexible CT a perfect choice when working in locations that contain live conductors.

The flexible CT is also available in either a rain tight or standard option. Because a majority of PA9-Plus products are used in outside environments, Megger has responded with the introduction of a rain tight CT. This is the ideal choice when weather becomes a factor. The special rain-tight CT benefits the Megger family of products because most of the current transformers in the market do not offer this important option.

For those customers using a CT with the PA-7, SLM-8, RVA4 or RA recorders, specific adapters (either the CA-PA9FCP-7 or CA-PA9-7) are required. Adapters are not needed with the PA-9 or PA-9Plus products.

**SPECIFICATIONS AND ORDERING INFORMATION**

Cat. No.	Current Range	Measurement Range	Frequency Range	Max. Working Voltage	Accuracy	Phase Shift
CP-600DC	600 A	1 to 400 A ac (600 A peak) 1 to 600 A dc	dc to 10 kHz @ -3 dB	600 V rms	1.5% of rdg ±1 A (1 to 100 A) 2% of rdg (100 to 400 A) 2.5% of rdg (400 to 600 A dc only)	10 to 200 A: ≤2.5° 200 to 400 A: ≤2° 45 to 65 Hz
CP-600/6000CE	600/6000 A, switchable	20 to 6000 A	40 Hz to 20 kHz	600 V rms	1% of rdg ±200 mA	<0.7° @ 50 Hz
CP-600/6000RT	600/6000 A, switchable	20 to 6000 A	40 Hz to 5 kHz	600 V rms	1% of rdg ±200 mA	<0.7° @ 50 Hz
CP-6000B7	600/6000 A, switchable	20 to 6000 A	40 Hz to 5 kHz	1000 V rms	1% of rdg ±200 mA	<1° @ 50 to 60 Hz
CP-100/1000CE	100/1000 A, switchable	10 to 1000 A	40 Hz to 20 kHz	600 V rms	1% of rdg ±200 mA	0.7° @ 50 to 60 Hz
CP-100/1000RT	100/1000 A, switchable	10 to 1000 A	40 Hz to 5 kHz	1000 V rms	1% of rdg ±200 mA	0.7° @ 50 to 60 Hz
CP-1000WCE	1000 A	10 to 1000 A	30 Hz to 5 kHz	600 V rms	Accuracy @ .1 to 10 A ≤ 3% of rdg ±0.1A, Accuracy @ 10 to 100 A ≤0.75% of rdg ±0.25 A Accuracy @ 100 to 1200 A ≤0.5% of rdg ±0.5A	0.01 to 10 A not specified, 10 A ≤3°, 50 A ≤1.5°, 200 A ≤0.75°, 1000 A ≤0.5°
CP-100CE	100 A	1 to 100 A	40 Hz to 10 kHz	600 V rms	Accuracy @ 0.1 to 1 A ≤2% of rdg ±0.2 A, Accuracy @ 10 to 80 A ≤1% of rdg ±0.2A, Accuracy @ 80 to 150 A ≤1.5% of rdg ±0.2 A	0.01 to 1 A not specified, 1 to 20 A ≤3°, 20 to 100 A ≤2°
CP-300/3000CE	300/3000 A, switchable	10 to 3000 A	40 Hz to 20 kHz	1000 V rms	1% of rdg ±200 mA	<0.7° @ 50 to 60 Hz
CP-300/3000RT	300/3000 A, switchable	10 to 3000 A	40 Hz to 5 kHz	1000 V rms	1% of rdg ±200 mA	<0.7° @ 50 to 60 Hz
CP-20CE	20 A	0.1 to 20 A	40 Hz to 10 kHz	600 V rms	Accuracy @ 0.1 to 1 A ≤2.5% of rdg, Accuracy @ 1 to 20 A ≤1% of rdg	0.1 to 1 A ≤5°, 1 to 20 A ≤3°
CP-5CE	5 A	0.1 to 10 A	40 Hz to 3 kHz	600 V rms	1% of rdg ±5 mV	1 to 5 A 1°, 5 to 10 A 1.5°



**Current Probe**  
CP-600/6000CE  
CP-300/3000CE  
CP-100/1000CE



**Current Clamp**  
CP1000WCE



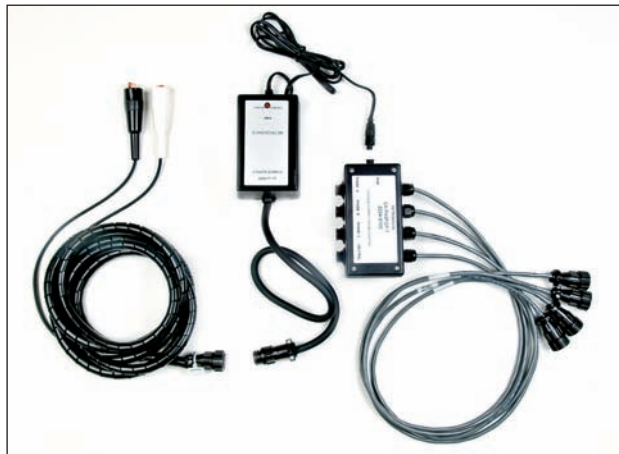
**Current Clamps**  
CP-5CE  
CP-20CE  
CP-100CE



**Rain Tight Current Probe**  
CP-600/6000RT  
CP-300/3000RT  
CP-100/1000RT  
CP-6000B7

**ADDITIONAL SPECIFICATIONS AND ORDERING INFORMATION**

Cat. No.	Output Signal	Crest Factor (Mid-range)	Rain Tight	Battery Powered	Style	Length	Inside Dia, Max	Adapter Requirements (No adapter needed with PA-9 or PA-9Plus)
CP-600DC	1 mV/A	ac: 3.3 dc: 2.5		9 V alkaline (approx. 80 hrs)	Clamp	9 ft cable	2 in.	CA-PA9-7 to use probes with PA7, SLM-8, RVA4, RA recorders
CP-600/6000CE	1 mV/A, 0.1 mV/A	4.5		N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-600/6000RT	1 mV/A, 0.1 mV/A	4.5	■	N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-6000B7	1 mV/A, 0.1 mV/A	10	■	9 V (2000 hrs. min.)	Flexible	36 in. coil	12 in.	CA-PA9-7 to use probes with PA7, SLM-8, RVA4, RA recorders
CP-100/1000CE	10 mV/A, 1 mV/A	9		N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-100/1000RT	10 mV/A, 1 mV/A	9	■	N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-1000WCE	1 mV/A	9		N/A	Clamp	9 ft cable	2 in.	CA-PA9-7 to use probes with PA7, SLM-8, RVA4, RA recorders
CP-100CE	10 mV/A	3		N/A	Clamp	9 ft cable	.78 in.	CA-PA9-7 to use probes with SLM-8, RVA4, RA recorders
CP-300/3000CE	10 mV/A, 1 mV/A	3		N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-300/3000RT	10 mV/A, 1 mV/A	3	■	N/A	Flexible	36 in. coil	12 in.	CA-PA9FCP-7 to use up to 4 probes with PA7, SLM-8, RVA4, RA recorders
CP-20CE	50 mV/A	3		N/A	Clamp	9 ft cable	.78 in.	CA-PA9-7 to use probes with PA7, SLM-8, RVA4, RA recorders
CP-5CE	200 mV/A	3		N/A	Clamp	9 ft cable	.78 in.	CA-PA9-7 to use probes with PA7, SLM-8, RVA4, RA recorders



Adapter C/N CA-PA9FCP-7, shown, is used with up to four probes with the PA7, SLM-8, RVA4 and RA Recorders. Used with the following CTs:  
 CP-600/6000CE  
 CP-300/3000CE  
 CP-100/1000CE  
 CP-600/6000RT  
 CP-300/3000RT  
 CP-100/1000RT



Adapter C/N CA-PA9-7, shown, is used with a probe with the PA7, SLM-8, RVA4 and RA Recorders. Used with the following CTs:

- CP-6000B7
- CP-600DC
- CP-5CE
- CP-20CE
- CP-1000CE
- CP-1000WCE



**Current Clamp  
CP-600DC**

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**ISO STATEMENT**  
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Registered to ISO 14001 Reg no. EMS 61597  
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