

Sefram

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ELDITEST

CP6000 series

AC/DC Oscilloscope Clamp On Current Probes

Current: up to 100A
Bandwidth: up to 1,5MHz

Capabilities

- 4 Model family for all applications :
300kHz / 500kHz / 1MHz / 1,5MHz
- Dual sensitivity ranges
- Offset adjustment
- Over range indicator
- Main adaptor included or battery powered
- Possible use with a multimeter (with adaptor supplied)
- Safety : **CAT II - 600V and CAT III - 300V**

New family of performance oscilloscope current probe

The new AC/DC oscilloscope clamp on current probes have been designed to extend the functionality of any general purpose oscilloscopes. Bandwidth starts at 300kHz up to 1,5MHz, and currents measurements up to 100A.

Compact stylish body and jaw

The compact body and slim jaw allows to use these probes for electronic circuits. All AC and DC measurements are possible with large dynamic range.

A complete set of accessories

The CP6000 series is supplied with a complete set of accessories, which allows to use with main adaptor or battery powered, with oscilloscope or DMM.



probe with accessories

new

**Up to 1.5MHz
bandwidth**

TESTING

Selection guide - CP6000 series

	CP6220	CP6550	CP6770	CP6990
Current ranges	10 A – 100 A	5 A – 50 A	7 A – 70 A	4 A – 40 A
Output level	100 mV/A – 10 mV/A	200 mV/A – 20 mV/A	500 mV/A – 50 mV/A	1 V/A – 100 mV/A
Bandwidth	DC – 300 kHz	DC – 500 kHz	DC – 1 MHz	DC – 1.5 MHz
Max. cable diameter	11mm	11mm	10.3mm	10.3mm



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Specifications

Model	CP6220	CP6550	CP6770	CP6990
Ranges	100 mV/A – 10 mV/A	200 mV/A – 20 mV/A	500 mV/A – 50 mV/A	1 V/A – 100 mV/A
Current (DC + peak AC)	10 A – 100 A	5 A – 50 A	7 A – 70 A	4 A – 40 A
DC measurement accuracy	$\pm 3\% \pm 50 \text{ mA} - 100 \text{ mV/A}$ (50 mA to 10 A peak)	$< \pm 3\% \pm 30 \text{ mA} - 200 \text{ mV/A}$ (30 mA to 5 A peak)	$< \pm 3\% \pm 20 \text{ mA} - 500 \text{ mV/A}$ (20 mA to 14 A peak) $\pm 4\% \pm 200 \text{ mA} @ 50 \text{ mV/A}$ (200 mA to 100 A peak) $\pm 15\% - 50 \text{ mV/A}$ (100 A peak to 140 A peak)	$< \pm 3\% \pm 10 \text{ mA} - 1 \text{ V/A}$ (10 mA to 8 A peak)
	$\pm 4\% \pm 50 \text{ mA} - 10 \text{ mV/A}$ (500 mA to 40 A peak) $\pm 15\% \text{ max} - 10 \text{ mV/A}$ (40 A peak to 100 A peak)	$\pm 4\% \pm 300 \text{ mA} - 20 \text{ mV/A}$ (300 mA to 20 A peak) $\pm 15\% - 200 \text{ mV/A}$ (20 A peak to 50 A peak)		$\pm 4\% \pm 100 \text{ mA} - 100 \text{ mV/A}$ (100 mA to 80 A peak)
Bandwidth	DC – 300 kHz	DC – 500 kHz	DC – 1 MHz	DC – 1.5 MHz
Rise and fall time	1.2 μs (typ.)	0.7 μs (typ.)	0.35 μs (typ.)	0.23 μs (typ.)
Safety	600 VAC eff. CAT II / 300 VAC eff. CAT III			
Max. voltage to earth reference	600 VAC eff. CAT II / 300 VAC eff. CAT III			
Battery	9 V Alkaline (NEDA 1604A, IEC 6LR61, 6F22)			
Autonomy (with battery)	8 h		6 h	4 h
Operating temperature	0 to 50° C			
Storage temperature	-20 to 80° C			
Relative humidity	0 to 95% (0 to 40° C) 0 to 45% (40 to 50° C)			
Max. cable diameter	11 mm		10.3 mm	
Dimensions	262 mm x 79 mm x 36 mm		262 mm x 81 mm x 36 mm	
Weight	260 g without battery		310 g without battery	

Supplied : manual, main adaptor, BNC cable, BNC-banana adaptor for DMM
Elditest® is a registered brand, owned by SEFRAM Instruments et Systèmes



Supplied with complete accessories



FT CP6000 A 00 - Specifications can be updated without notice

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32, rue Edouard Martel • B.P. 55 • 42009 - St Etienne cedex 2



Fax. +33 (0).4.77.57.23.23

Web : www.sefram.fr • e-mail : sales@sefram.fr

For assistance and ordering