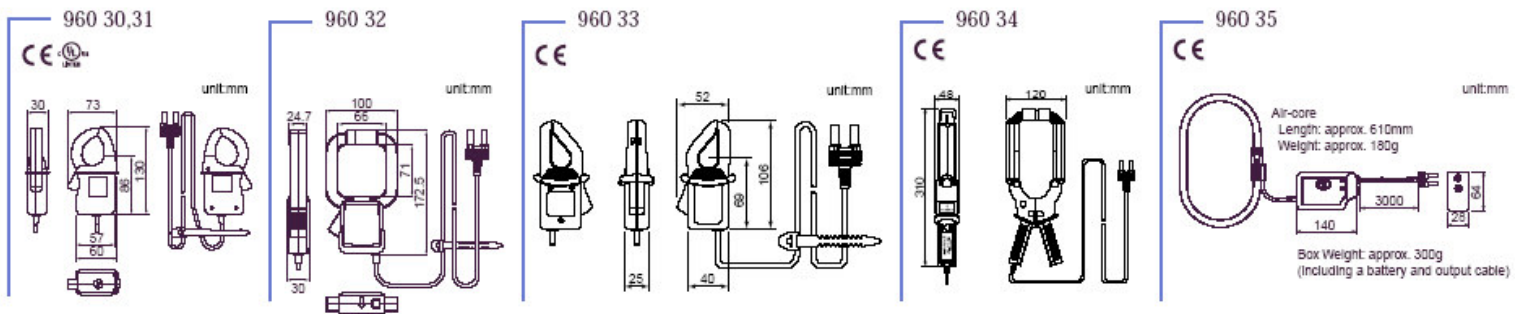


Common Accessories for CW120/121 and CW140

Item	96030 Clamp-on Current Probe	96031 Clamp-on Current Probe	96032 Clamp-on Current Probe	96033 Clamp-on Current Probe	
Measuring range	0-200 Arms AC (300 Apk)	0-500 Arms AC (750 Apk)	0-700 Arms AC (990 Apk)	0-50 Arms AC	
Output voltage	0-0.5 Vrms AC (2.5 mV/A)	0-0.5 Vrms AC (1 mV/A)	1000 Arms (1414 Apk) for 5 minutes	0-0.5 Vrms AC (10 mV/A)	
Accuracy	Amplitude	$\pm 1.5\%$ rdg ± 0.4 mV (20 Hz to 45 Hz) $\pm 0.5\%$ rdg ± 0.1 mV (45 Hz to 66 Hz) $\pm 0.8\%$ rdg ± 0.2 mV (66 Hz to 1 kHz) $\pm 2.0\%$ rdg ± 0.4 mV (1 kHz to 20 kHz)	$\pm 1.5\%$ rdg ± 0.4 mV (20 Hz to 45 Hz) $\pm 0.5\%$ rdg ± 0.1 mV (45 Hz to 66 Hz) $\pm 0.8\%$ rdg ± 0.2 mV (66 Hz to 1 kHz)	0-0.25 Vrms AC (0.25 mV/A) $\pm 1.0\%$ rdg ± 0.2 mV (45 Hz to 66 Hz)	$\pm 1.0\%$ rdg ± 0.3 mV (20 Hz to 45 Hz) $\pm 0.5\%$ rdg ± 0.1 mV (45 Hz to 66 Hz) $\pm 0.8\%$ rdg ± 0.2 mV (66 Hz to 1 kHz) $\pm 1.0\%$ rdg ± 0.3 mV (1 kHz to 5 kHz)
	Phase	$\pm 0.5^\circ$ (45 Hz to 1 kHz)	$\pm 1.0^\circ$ (45 Hz to 1 kHz)	$\pm 1.0^\circ$ (50 A or more, 45 Hz to 66 Hz)	$\pm 3\%$ rdg ± 0.4 mV (5 kHz to 20 kHz)
	(for temperature of 23°C $\pm 5^\circ$ C, relative humidity of 35-75%, and sine wave input)			$\pm 1.0^\circ$ (45 Hz to 1 kHz)	
Output impedance	Approx. 6 Ω	Approx. 2.4 Ω	Approx. 100 Ω (max.)	Approx. 18 Ω	
External magnetic field effects	0.1 A equivalent or less (at 400 A/m, 50/60 Hz)	0.2 A equivalent or less (at 400 A/m, 50/60 Hz)	0.5 A equivalent or less (at 400 A/m, 50/60 Hz)	0.1 A equivalent or less (at 400 A/m, 50/60 Hz)	
Conductor position effects	$\pm 0.5\%$ (at 20-200 A, 45 Hz to 1 kHz)	$\pm 0.5\%$ (at 50-500 A, 45 Hz to 1 kHz)	$\pm 0.5\%$ (at 200-1000 A, 45 Hz to 66 Hz)	$\pm 0.5\%$ (at 1-50 A, 45 Hz to 1 kHz)	
Operating circuit voltage	600 Vrms AC max.			300 Vrms AC max.	
External dimensions	Approx. 73 (W) \times 130 (H) \times 30 (D) mm		Approx. 100 (W) \times 172.5 (H) \times 32 (D) mm	Approx. 52 (W) \times 106 (H) \times 25 (D) mm (excluding protrusions)	
Weight	Approx. 300 g		Approx. 500 g	Approx. 220 g	
Output cable length	Approx. 3 meters				

External Dimensions



Item	96034 Clamp-on Current Probe			96035 Clamp-on Current Probe	
	1000 A	2000 A	3000 A	3000 A	300 A
Range type	1000 A	2000 A	3000 A	3000 A	300 A
Measuring range	0-1000 Arms AC	0-2000 Arms AC	0-3000 Arms AC	0-3000 Arms AC	0-300 Arms AC
Output voltage	0-0.5 Vrms AC (0.5 mV/A)	0-0.5 Vrms AC (0.25 mV/A)	0-0.5 Vrms AC (0.1667 mV/A)	0-0.5 Vrms AC (0.1667 mV/A)	0-0.5 Vrms AC (1.667 mV/A)
Accuracy (for temperature of 23°C $\pm 5^\circ$ C, relative humidity of 20-70%, and sine wave input)	Amplitude	$\pm 1\%$ rdg ± 0.045 mV (1-20 A) $\pm 1\%$ rdg (20-1200 A)	$\pm 1\%$ rdg ± 0.0225 mV (1-20 A) $\pm 1\%$ rdg (20-2400 A)	$\pm 1\%$ rdg ± 0.015 mV (1-20 A) $\pm 1\%$ rdg (20-3600 A)	$\pm 1\%$ rdg (5-300 A, 45 Hz to 66 Hz) $\pm 3\%$ rdg (100 A, 10 Hz to 10 kHz)
	Phase	Not specified (1-20 A) $\pm 1.0^\circ$ (20-200 A) $\pm 0.5^\circ$ (200-1200 A)	Not specified (1-20 A) $\pm 1.0^\circ$ (20-200 A) $\pm 0.5^\circ$ (200-2400 A)	Not specified (1-20 A) $\pm 1.0^\circ$ (20-200 A) $\pm 0.5^\circ$ (200-3600 A)	$\pm 1^\circ$ (5-3000 A, 45 Hz to 66 Hz) $\pm 4^\circ$ (200 A, 40 Hz to 1 kHz)
Maximum allowable current (600 Hz or less)	1200 Arms AC (continuous)	2400 Arms AC (continuous)	2400-2800 Arms AC (for 15 minutes) 2800-3600 Arms AC (for 10 minutes)	3600 Arms AC (10 Hz to 1 kHz)	360 Arms AC
Output impedance	2 Ω or less			Approx. 47 Ω	
External magnetic field effects	$\pm 0.1\%$ of full scale (at 400 A/m, 50/60 Hz)			$\pm 0.1\%$ of full scale (at 400 A/m, 50/60 Hz)	
Conductor position effects	1% ± 0.2 A or less			$\pm 2\%$ of full scale	
Operating circuit voltage	600 Vrms AC max.			Main unit: 600 Vrms AC max. Measuring unit: 1000 Vrms AC max.	
Measurable conductor diameter	$\phi 64 \times 100$ mm, five 125 \times 5 mm bus bars, or three 100 \times 10 mm bus bars			$\phi 170$ mm max.	
External dimensions	Approx. 310 (W) \times 120 (H) \times 48 (D) mm			Main unit: Approx. 140 (W) \times 64 (H) \times 28 (D) mm Measuring unit: Approx. 610 mm	
Weight	Approx. 1400 g			Main unit: Approx. 300 g (including battery and output cable) Measuring unit: Approx. 180 g	
Output cable length	Approx. 3 meters			Approx. 3 meters	
Output terminal	Banana plug (safety terminal)			Banana plug (safety terminal)	
Power supply				9 V alkaline battery (6LF22) AC Adapter Continuous measurement: 150 hours Intermittent measurement: 10,000 times	

Optional Accessories

Carrying case



93020

FDD unit



97020

CW140 main unit can be packed in the carrying case with accessories like current clamps and voltage probes, without disconnecting them from the main unit. It also holds the other accessories.

3.5-inch floppy disk drive