HIOKI

CURRENT SENSOR Series CURRENT PROBE Series



Application-optimized Current Sensors and Current Probes



Application-optimized current sensors and current probes

Hioki offers lineup of current sensors and current probes to accommodate current measurement requirements in a variety of applications, from development and evaluation in advanced fields to quality control of commercial power supplies.



Evaluating power conversion efficiency in EVs

Evaluate vehicles' overall power conversion efficiency in order to develop automobiles that run further with less energy. CT6904A, CT687x series + PW8001



Evaluating the fuel (energy) efficiency of finished vehicles

Measure fuel efficiency based on the international standard (WLTP) in order to evaluate the fuel efficiency of finished vehicles.

CT684x-05 series + PW3390



Evaluating power devices in power supply circuits

Observe the inputs and outputs of the current waveform in order to evaluate whether power devices are providing the required level of performance.

CT67xx series, 327x series + MR6000



Maintaining power quality

Continuously monitor power quality and analyze the causes of power supply issues in order to maintain stable power quality.

CT7xxx series, CT9667-0x series + PQ3198, PQ3100



Evaluating systems used to control accessory components in automobiles

Observe current waveforms of various magnitudes that fluctuate depending on the state of the device in question, including dark current, inrush current, and drive current, in order to evaluate accessory control.

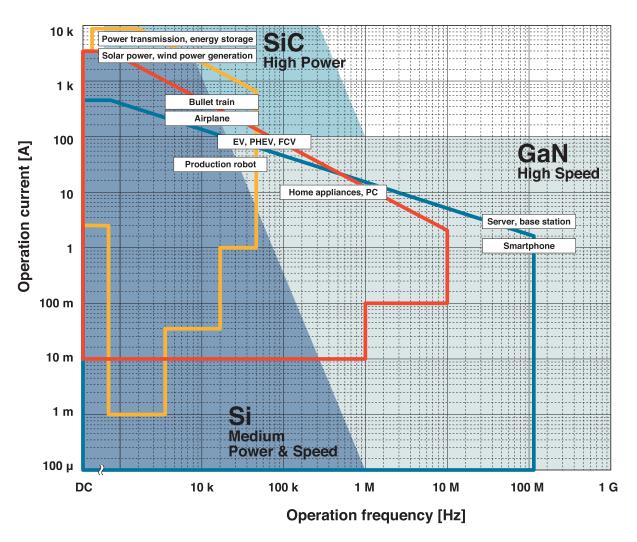
CT67xx series, 327x series + MR6000



Assessing the power consumption of equipment and systems

Assess the power consumption of devices and systems in order to pursue energy-saving activities and achieve the goals of the UN's Sustainable Development Goals (SDGs).

CT7xxx series, CT9667-0x series + PW3365



Applications by operating current and operating frequency

High-accuracy		pass-through types	- EV inverter systems R&D - Assessment of reactor and transformer losses		
measurement		clamp types	- WLTP-compliant fuel economy (electricity cost) performance testing		
	-	High-sensitivity observation	 Evaluation of automotive accessory control Evaluation of power components in power supply circuits 		
Waveform observation	20	Observation of minuscule currents	 Evaluation of automotive accessory control Development and evaluation of power-saving devices such as wearables 		
	20	Observation of large currents	 Fluctuations in fluctuation of load currents of large industrial equipment Measurement of inrush currents flowing when starting an engine 		
	S)	Measurement of load currents	 Assessment of power consumption Periodic inspection of power supply equipment and 		
Grid power quality control	\rightarrow	Measurement of large currents	monitoring of power quality		
		Measurement of leakage currents	 Detection of intermittent electrical leaks Search for the locations of electrical leaks 		

Current Sensors Current Probes Lineup

Hioki's first current sensor was a magnetic current sensor developed in-house in 1971. We've pursued sensing technologies over the past 50 years, providing a variety of current sensors for the full range of measurement applications.

High-accuracy measurement

These models, rated for 20 A to 2000 A, measure currents in a frequency band from DC to 10 MHz with a high degree of accuracy. They're used in applications that require high measurement accuracy, for example evaluation of inverter equipment and evaluation of loss in reactors and transformers.

Pass-through types

Pass-through sensors deliver the ultimate level of accuracy and stability. With a broadband measurement at up to 10 MHz and measurement of large currents of up to 2000 A, they're used in state-of-the-art research and development.



EV inverter system R&D

Evaluation of reactor and transformer losses

Clamp types

Clamp-type sensors are quick and easy to connect, and used for testing finished products, an application where it is difficult to cut wires. Capable of functioning at temperatures from -40°C to 85°C, they're used in high-temperature environments such as engine compartments.





WLTP-compliant fuel economy (electricity cost) performance testing

Direct-wired types

Directly wired current sensors deliver world-class accuracy and frequency band characteristics (50 A model) by Hioki's proprietary DCCT (Direct Connection Current Transducer) method



Evaluation of reactor and transformer losses

Evaluation of inverters in energy-saving household appliances

Waveform observation

These models, rated from 0.5 A to 500 A, measure current waveforms in a frequency band of DC to 120 MHz. They're used to analyze fluctuations during operation of various types of equipment operation, including standby current, inrush current, load current, and control current.

High-sensitivity observation

These models can measure current waveforms that range in magnitude from miniscule to large. With the high-sensitivity ranges and an output rate of 10 V/A, minuscule currents that fluctuate at high speeds can be clearly observed.



Evaluation of automotive accessory control

Evaluation of power devices in power supply circuits

Observation of minuscule currents

These models can measure miniscule current waveforms, including control currents flowing in control circuits and fluctuations in the current consumption of compact electronic devices that operate at small currents.



Evaluation of automotive accessory control

Development and evaluation of power-saving devices such as wearables

Observation of large currents

These models can measure large current waveforms, including fluctuations in load current from the operation of industrial equipment and inrush currents when power supplies are activated.



Fluctuations of load currents of large industrial equipment

Measurement of inrush currents flowing at engine start

Grid power quality control

These models are engineered primarily to measure current at commercial frequencies (50/60 Hz). They're used in applications such as power quality checks and power consumption assessments. We offer models with specifications suitable for a range of measurement locations, from leakage currents to large currents.

Measurement of load current

These sensors are primarily designed to measure commercial power supplies. They're used to monitor and analyze power quality and to measure power consumption.



Assessment of power consumption

Periodic inspection of power supply equipment and monitoring of power quality

Measurement of large currents

These sensors can measure large currents of up to 6000 A. Their slim, flexible form make them easy to insert into narrow gaps and between wires.





Periodic inspection of power supply equipment and monitoring of power quality

Measurement of leakage currents

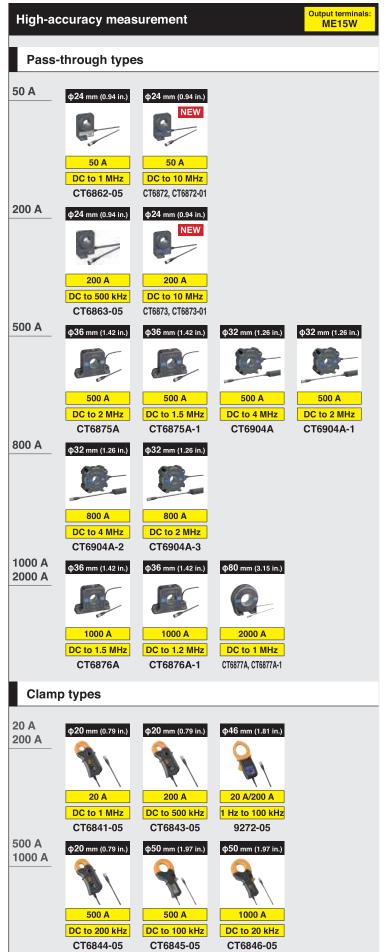
These sensors are used to measure minuscule currents such as leakage currents.



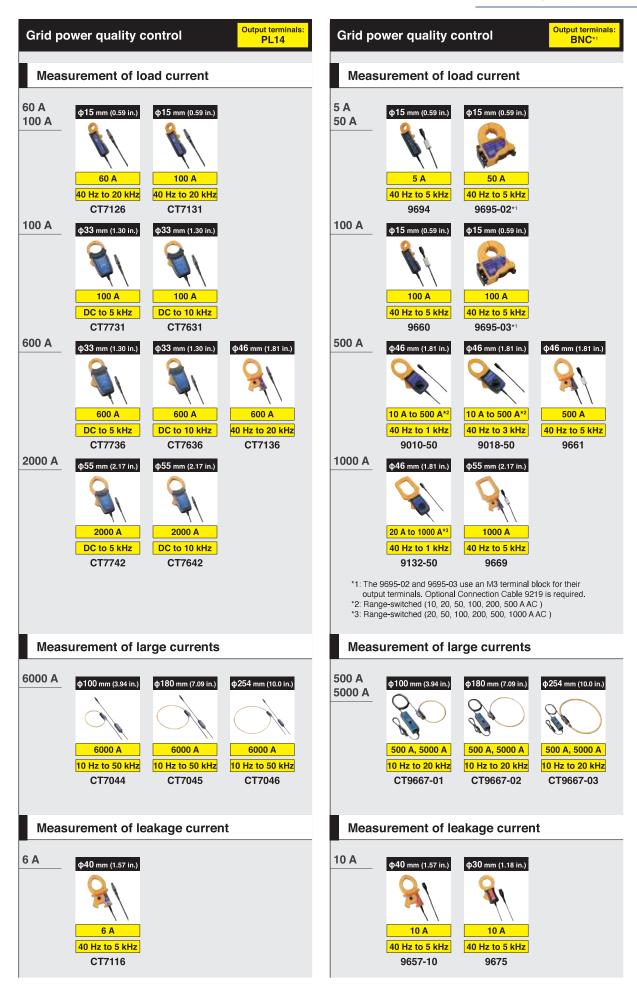


Detection of intermittent electrical leaks

Search for the locations of electrical leaks



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	ule current wavefo d more clearly by	
	at 10 V/A rate: 1 V/A	
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	whether this part that	Nie Hone
Output	rate: 10 V/A	- KANA
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404005		
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CT6		0.1 V/A
CT6	/01 	
327		0.1 V/A
327	74 150 A	0.01 V/A
327	75 500 A	0.01 V/A
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nıgn-	Sensitivity O	
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	89	89
	05A 5A 30A	05A 5A 30A
	0.5 A, 5 A, 30 A DC to 50 MHz	0.5 A, 5 A, 30 A DC to 120 MHz
Obser	DC to 50 MHz	DC to 120 MHz CT6711
	DC to 50 MHz CT6710 vation of minu	DC to 120 MHz CT6711 Iscule current
	DC to 50 MHz CT6710	DC to 120 MHz CT6711
	DC to 50 MHz CT6710 vation of minu	DC to 120 MHz CT6711 Iscule current
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0 A 50 A	DC to 50 MHz CT6710 vation of minu (0.20 in.) (0.20 in.	DC to 120 MHz CT6711 Iscule currents (\$5 mm (0.20 in)) (\$5 A DC to 120 MHz CT6701 Ge currents (\$5 mm (0.20 in)) (\$5 mm (



High-ac	ccuracy m	neasure	ement					Output t	erminals: ME15W
Pass-throu	ugh types								
Model	Appearance	Rated primary current	Maximum peak current	Withstand voltage* ²	Output voltage	Frequency range	Linearity error	Offset error	Amplitude errors
CT6862-05		50 Arms	±141 A peak	7.4 kV AC	40 mV/A	DC to 1 MHz	-	-	-
CT6872		50 Arms	±200 A peak	7.4 kV AC	40 mV/A	DC to 10 MHz	±2 ppm	±5 ppm	DC: 7 ppm 10 Hz to 100 Hz: 0.005% 100 Hz to 1 kHz: 0.01% 1 kHz to 50 kHz: 0.1%
CT6872-01		50 Arms	±200 A peak	7.4 kV AC	40 mV/A	DC to 10 MHz	±2 ppm	±5 ppm	50 kHz to 100 kHz: 0.3% 100 kHz to 300 kHz: 1% 300 kHz to 1 MHz: 3%
CT6863-05		200 Arms	±565 A peak	7.4 kV AC	10 mV/A	DC to 500 kHz	-	-	-
СТ6873		200 Arms	±350 A peak*1	7.4 kV AC	10 mV/A	DC to 10 MHz	±2 ppm	±5 ppm	DC: ±7 ppm 10 Hz to 500 Hz: ±0.005% 500 Hz to 3 kHz: ±0.01% 3 kHz to 30 kHz: ±0.1%
CT6873-01		200 Arms	±350 A peak*1	7.4 kV AC	10 mV/A	DC to 10 MHz	±2 ppm	±5 ppm	30 kHz to 100 kHz: ±0.4% 100 kHz to 400 kHz: ±1% 400 kHz to 1 MHz: ±3%
CT6875A		500 Arms	±1500 A peak*1	7.4 kV AC	4 mV/A	DC to 2 MHz	±5 ppm	±5 ppm	DC: ±10 ppm 10 Hz to 100 Hz: ±0.005% 100 Hz to 1 kHz: ±0.02% 1 kHz to 20 kHz: ±0.08%
CT6875A-1		500 Arms	±1500 A peak*1	7.4 kV AC	4 mV/A	DC to 1.5 MHz	±5 ppm	±5 ppm	20 kHz to 100 kHz: ±0.5% 100 kHz to 300 kHz: ±1% 300 kHz to 1 MHz: ±5%
CT6904A		500 Arms	±1000 A peak*1	7.4 kV AC	4 mV/A	DC to 4 MHz	±5 ppm	±10 ppm	-
CT6904A-1		500 Arms	±1000 A peak*1	7.4 kV AC	4 mV/A	DC to 2 MHz	±5 ppm	±10 ppm	-
CT6904A-2		800 Arms	±1200 A peak*1	7.4 kV AC	2 mV/A	DC to 4 MHz	±12.5 ppm	±10 ppm	-
СТ6904А-3		800 Arms	±1200 A peak*1	7.4 kV AC	2 mV/A	DC to 2 MHz	±12.5 ppm	±10 ppm	-
CT6876A		1000 Arms	±1800 A peak*1	7.4 kV AC	2 mV/A	DC to 1.5 MHz	±5 ppm	±5 ppm	DC: ±10 ppm 10 Hz to 100 Hz: ±0.005% 100 Hz to 1 kHz: ±0.03% 1 kHz to 10 kHz: ±0.2%
CT6876A-1		1000 Arms	±1800 A peak*1	7.4 kV AC	2 mV/A	DC to 1.2 MHz	±5 ppm	±5 ppm	10 kHz to 100 kHz: ±1% 100 kHz to 300 kHz: ±3% 300 kHz to 1 MHz: ±15%
CT6877A		2000 Arms	±3200 A peak*1	7.4 kV AC	1 mV/A	DC to 1 MHz	±10 ppm	±5 ppm	DC: ±15 ppm 10 Hz to 100 Hz: ±0.01% 100 Hz to 1 kHz: ±0.04% 1 kHz to 10 kHz: ±0.25%
CT6877A-1		2000 Arms	±3200 A peak*1	7.4 kV AC	1 mV/A	DC to 1 MHz	±10 ppm	±5 ppm	10 kHz to 100 kHz: ±1% 100 kHz to 300 kHz: ±2% 300 kHz to 700 kHz: ±10%
Clamp type	es								
9272-05		20 Arms, 200 Arms	±71 Apeak, ±430 Apeak	5.4 kV AC	100 mV/A, 10 mV/A	1 Hz to 100 kHz	-	-	-
CT6841-05		20 Arms	±60 A peak*1	4.26 kV AC	100 mV/A	DC to 1 MHz	-	-	-
CT6843-05		200 Arms	±600 A peak*1	4.26 kV AC	10 mV/A	DC to 500 kHz	-	-	-
CT6844-05		500 Arms	±800 A peak*1	4.26 kV AC	4 mV/A	DC to 200 kHz	-	-	-
CT6845-05		500 Arms	±1500 A peak*1	4.26 kV AC	4 mV/A	DC to 100 kHz	-	-	-
CT6846-05		1000 Arms	±1900 A peak*1	4.26 kV AC	2 mV/A	DC to 20 kHz	-	-	-
Direct-wire	ed types								
PW9100A-3	ta ta ta	50 Arms	±200 A peak*1	5.4 kV AC	40 mV/A	DC to 3.5 MHz	-	-	-
	NUS NUS NUS NUS	50 Arms	±200 A	5.4 kV AC	40 mV/A	DC to 3.5 MHz			

Model 6862-05 276872	Amplitude DC ±0.05% rdg. ±0.01% f.s. ±0.03% rdg.	accuracy 50/60 Hz ±0.05% rdg. ±0.01% f.s.	Phase Shift Values	Delay	Diameter of				
6862-05 T6872	DC ±0.05% rdg. ±0.01% f.s. ±0.03% rdg.	50/60 Hz ±0.05% rdg.			Diameter of				
76872	±0.01% f.s. ±0.03% rdg.			times	measurable conductors	Cable length	Operating temperature	Maximum rated voltage to earth	Automa phas correcti
		10.01% 1.5.	300 kHz, -10.96°	101 ns	φ24 mm (0.94 in.)	3 m (9.84 ft.)	-30°C to 85°C -22°F to 185°F	1000 V CAT III	-
	±0.002 % f.s.	±0.03% rdg. ±0.007% f.s.	100 kHz, -1.28°	46 ns	φ24 mm (0.94 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Yes
6872-01	±0.03% rdg. ±0.002% f.s.	±0.03% rdg. ±0.007% f.s.	100 kHz, -2.63°	82 ns	φ24 mm (0.94 in.)	10 m (32.81 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Yes
6863-05	±0.05% rdg. ±0.01% f.s.	±0.05% rdg. ±0.01% f.s.	100 kHz, -4.60°	128 ns	φ24 mm (0.94 in.)	3 m (9.84 ft.)	-30°C to 85°C -22°F to 185°F	1000 V CAT III	-
T6873	±0.03% rdg. ±0.002% f.s.	±0.03% rdg. ±0.007% f.s.	100 kHz, -0.75°	36 ns	φ24 mm (0.94 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
6873-01	±0.03% rdg. ±0.002% f.s.	±0.03% rdg. ±0.007% f.s.	100 kHz, -2.10°	69 ns	φ24 mm (0.94 in.)	10 m (32.81 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
T6875A	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	200 kHz, -10.45°	145 ns	ф36 mm (1.42 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
6875A-1	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	200 kHz, 12.87°	179 ns	φ36 mm (1.42 in.)	10 m (32.81 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
T6904A	±0.025% rdg. ±0.007% f.s.	±0.02% rdg. ±0.007% f.s.	300 kHz, -9.82°	91 ns	φ32 mm (1.26 in.)	3 m (9.84 ft.)	-10°C to 50°C 14°F to 122°F	1000 V CAT III	Ye
6904A-1	±0.025% rdg. ±0.007% f.s.	±0.02% rdg. ±0.007% f.s.	300 kHz, -9.82°	91 ns	φ32 mm (1.26 in.)	10 m (32.81 ft.)	-10°C to 50°C 14°F to 122°F	1000 V CAT III	Ye
6904A-2	±0.030% rdg. ±0.009% f.s.	±0.025% rdg. ±0.009% f.s.	300 kHz, -9.82°	91 ns	φ32 mm (1.26 in.)	3 m (9.84 ft.)	-10°C to 50°C 14°F to 122°F	1000 V CAT III	Ye
6904A-3	±0.030% rdg. ±0.009% f.s.	±0.025% rdg. ±0.009% f.s.	300 kHz, -9.82°	91 ns	ф32 mm (1.26 in.)	10 m (32.81 ft.)	-10°C to 50°C 14°F to 122°F	1000 V CAT III	Ye
T6876A	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	200 kHz, -12.96°	180 ns	ф36 mm (1.42 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
6876A-1	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	200 kHz, -14.34°	199 ns	ф36 mm (1.42 in.)	10 m (32.81 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
T6877A	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	100 kHz, -2.63°	73 ns	ф80 mm (3.15 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
6877A-1	0.04% rdg. ±0.008% f.s.	0.04% rdg. ±0.008% f.s.	100 kHz -3.34°	93 ns	φ80 mm (3.15 in.)	10 m (32.81 ft)	-40°C to 85°C -40°F to 185°F	1000 V CAT III	Ye
amp type	S								1
272-05	-	±0.3% rdg. ±0.01% f.s.	50 kHz, -3.34° 50 kHz, -4.18°	186 ns, 232 ns	φ46 mm (1.81 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	600 V CAT III	-
6841-05	±0.3% rdg. ±0.05% f.s.	±0.3% rdg. ±0.01% f.s.	100 kHz, -1.82°	51 ns	φ20 mm (0.79 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	-	-
6843-05	±0.3% rdg. ±0.02% f.s.	±0.3% rdg. ±0.01% f.s.	100 kHz, -1.68°	47 ns	φ20 mm (0.79 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	-	-
6844-05	±0.3% rdg. ±0.02% f.s.	±0.3% rdg. ±0.01% f.s.	50 kHz, -1.29°	72 ns	φ20 mm (0.79 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	-	-
6845-05	±0.3% rdg. ±0.02% f.s.	±0.3% rdg. ±0.01% f.s.	20 kHz, -0.62°	86 ns	φ50 mm (1.97 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	-	-
6846-05	±0.3% rdg. ±0.02% f.s.	±0.3% rdg. ±0.01% f.s.	20 kHz, -1.89°	263 ns	φ50 mm (1.97 in.)	3 m (9.84 ft.)	-40°C to 85°C -40°F to 185°F	-	-
rect-wired	d types							·	
9100A-3	±0.02% rdg. ±0.007% f.s.	±0.02% rdg. ±0.005% f.s.	300 kHz, -2.80°	26 ns	M6 screw terminals	3 ch	0°C to 40°C 32°F to 104°F	1000 V CAT II 600 V CAT III	Ye
9100A-4	±0.02% rdg. ±0.007% f.s.	±0.02% rdg. ±0.005% f.s.	300 kHz, -2.80°	26 ns	M6 screw terminals	4 ch	0°C to 40°C 32°F to 104°F	1000 V CAT II 600 V CAT III	Ye
	5873-01 5873-01 5875A-1 5875A-1 5904A-1 5904A-2 5904A-3 6876A 6876A 76877A 76877A-1 76877A-1 76877A-1 58477A-1 5841-05 5844-05 5844-05 5846-05 5846-05 9100A-3	$\pm 0.002\%$ r.s. 5873-01 $\pm 0.03\%$ rdg. $\pm 0.002\%$ r.s. 5873-01 $\pm 0.03\%$ rdg. $\pm 0.008\%$ f.s. 5875A-1 0.04% rdg. $\pm 0.008\%$ f.s. 5875A-1 $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. 5904A-1 $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. 5904A-2 $\pm 0.030\%$ rdg. $\pm 0.009\%$ f.s. 5904A-3 $\pm 0.030\%$ rdg. $\pm 0.009\%$ f.s. 5904A-3 $\pm 0.030\%$ rdg. $\pm 0.008\%$ f.s. 5876A 0.04% rdg. $\pm 0.008\%$ f.s. 5876A-1 0.04% rdg. $\pm 0.008\%$ f.s. 5877A-1 0.04% rdg. $\pm 0.008\%$ f.s. 5877A-1 0.04% rdg. $\pm 0.008\%$ f.s. 5877A-1 0.04% rdg. $\pm 0.008\%$ f.s. 5841-05 $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. 5843-05 $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. 5844-05 $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. 5845-05 $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. 5846-05 $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. 5846-05 $\pm 0.02\%$ rdg. 9100A-3 $\pm 0.02\%$ rdg. 9100A-4 $\pm 0.02\%$ rdg.	$\pm 0.002\%$ r.s. $\pm 0.007\%$ r.s. $5873-01$ $\pm 0.03\%$ rdg. $\pm 0.002\%$ r.s. $\pm 0.03\%$ rdg. $\pm 0.007\%$ f.s. $5875A$ 0.04% rdg. $\pm 0.008\%$ f.s. $\pm 0.008\%$ f.s. $5875A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. $\pm 0.008\%$ f.s. $5875A-1$ 0.04% rdg. $\pm 0.007\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. $5904A-1$ $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. $\pm 0.02\%$ rdg. $\pm 0.007\%$ f.s. $5904A-2$ $\pm 0.030\%$ rdg. $\pm 0.009\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.009\%$ f.s. $5904A-2$ $\pm 0.030\%$ rdg. $\pm 0.009\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.009\%$ f.s. $5904A-3$ $\pm 0.030\%$ rdg. $\pm 0.009\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.009\%$ f.s. $5876A$ 0.04% rdg. $\pm 0.008\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.008\%$ f.s. $5876A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 20.009% f.s. $5877A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 20.008% f.s. $5877A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 20.008% f.s. $5877A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 20.008% f.s. $5841-05$ $\pm 0.3\%$ rdg. $\pm 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kHz, -12.96° $3877A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 100 kHz, -3.34° $3877A-1$ 0.04% rdg. $\pm 0.008\%$ f.s. 100 kHz, -3.34° $272-05$ $ \pm 0.3\%$ rdg. $\pm 0.01\%$ f.s. 100 kHz, -1.82° $3841-05$ $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. $\pm 0.3\%$ rdg. $\pm 0.01\%$ f.s. 100 kHz, -1.82° $3844-05$ $\pm 0.3\%$ rdg. $\pm 0.02\%$ f.s. $\pm 0.3\%$ rdg. $\pm 0.01\%$ f.s. 20 kHz, -1.82° $3844-05$ $\pm 0.3\%$ rd	20.002% f.s. 20.007% f.s. -0.73° 3873-01 $\pm 0.03\%$ rdg. $\pm 0.002\%$ f.s. $\pm 0.03\%$ rdg. $\pm 0.008\%$ f.s. 100 kHz, -2.10° 69 ns6875A 0.04% rdg. $\pm 0.008\%$ f.s. 0.04% rdg. $\pm 0.008\%$ f.s. 200 kHz, -10.45° 145 ns3875A-1 0.04% rdg. $\pm 0.008\%$ f.s. 0.04% rdg. $\pm 0.008\%$ f.s. 200 kHz, 12.87° 179 ns76904A $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. $\pm 0.02\%$ rdg. $\pm 0.007\%$ f.s. 300 kHz, -9.82° 91 ns3904A-1 $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. $\pm 0.025\%$ rdg. $\pm 0.007\%$ f.s. 300 kHz, -9.82° 91 ns3904A-2 $\pm 0.03\%$ rdg. $\pm 0.009\%$ f.s. $\pm 0.025\%$ rdg. $\pm 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3904A-2 $\pm 0.03\%$ rdg. ±0.009% 1.8. $\pm 0.025\%$ rdg. ±0.009% 1.8. 300 kHz, 9.82° 91 ns $\phi 32$ mm (1.26 in.) 3904A-3 $\pm 0.03\%$ rdg. ±0.009% 1.8. $\pm 0.025\%$ rdg. ±0.009% 1.8. 300 kHz, 9.82° 91 ns $\phi 32$ mm (1.26 in.) 3904A-3 $\pm 0.03\%$ rdg. ±0.009% 1.8. 20.04% rdg. ±0.009% 1.8. 300 kHz, 9.82° 91 ns $\phi 32$ mm (1.42 in.) 3876A-1 0.04% rdg. ±0.009% 1.8. 20.04% rdg. ±0.008% 1.8. 20.04% rdg. ±0.008% 1.8. 100 kHz, 7.14.34° 199 ns $\phi 36$ mm (1.42 in.) 3877A-1 0.04% rdg. ±0.008% 1.8. 0.04% rdg. ±0.008% 1.8.	ab.000% fis. ab.00% fis. ab.00% fis. ab.03% rdg. ab.03% rdg. ab.03% rdg. ab.03% rdg. ab.03% rdg. ab.03% rdg. ab.00% rdg.	ab.02% fr.g. ab.03% rdg. ab.007% fs.s. ab.007% fs.s. <t< td=""><td>abolic: bit is country is is <thcountry is<="" th=""> <thcountry is<="" th=""> <thco< td=""></thco<></thcountry></thcountry></td></t<>	abolic: bit is country is is <thcountry is<="" th=""> <thcountry is<="" th=""> <thco< td=""></thco<></thcountry></thcountry>

Wavef	Waveform observation Output terminals: BNC								
Model	Appearance	Rated current: output rate	Frequency range	Rise time (10% to 90%)	Delay time	Amplitude accuracy	Diameter of measurable conductors	Cable length*1	Operating temperature
High-sens	sitivity observ	ation of currents	ranging in m	agnitude from	minuscul	e to large			
CT6710	-	0.5 Arms: 10 V/A 5 Arms: 1 V/A 30 Arms: 0.1 V/A	DC to 50 MHz	7.0 ns or less	12 ns*²	±3.0% rdg. ±1 mV	ф5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
CT6711	-	0.5 Arms: 10 V/A 5 Arms: 1 V/A 30 Arms: 0.1 V/A	DC to 120 MHz	2.9 ns or less	12 ns*²	±3.0% rdg. ±1 mV	ф5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
Observati	ion of minusc	ule currents							
CT6700	200	5 Arms: 1 V/A	DC to 50 MHz	7.0 ns or less	13 ns	±3.0% rdg. ±1 mV	φ5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
CT6701	200	5 Arms: 1 V/A	DC to 120 MHz	2.9 ns or less	12 ns	±3.0% rdg. ±1 mV	φ5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
Observati	ion of large cι	urrents							
3273-50	200	30 Arms: 0.1 V/A	DC to 50 MHz	7.0 ns or less	16 ns	±1.0% rdg. ±1 mV	φ5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
3276	20	30 Arms: 0.1 V/A	DC to 100 MHz	3.5 ns or less	14 ns	±1.0% rdg. ±1 mV	φ5 mm (0.20 in.)	1.5 m, 1 m (4.92 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
3274	20	150 Arms: 0.01 V/A	DC to 10 MHz	35 ns or less	40 ns	±1.0% rdg. ±1 mV	φ20 mm (0.79 in.)	2.0 m, 1 m (6.56 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F
3275	20	500 Arms: 0.01 V/A	DC to 2 MHz	175 ns or less	66 ns	±1.0% rdg. ±5 mV	φ20 mm (0.79 in.)	2.0 m, 1 m (6.56 ft., 3.28 ft.)	0°C to 40°C 32°F to 104°F

*1: Sensor cable: cable between relay box and sensor for models with relay boxes (i.e. CT6710, CT6711), power supply cable for other models *2: When using 0.5 A range: 13 ns

Grid p	ower qua	lity contro	bl				Output term	Output terminals: PL14	
Model	Appearance	Rated current	Frequency range	Amplitude accuracy	Diameter of measurable conductors	Cable length	Operating temperature	САТ	
Measurer	Measurement of load current								
CT7126		60 A AC	40 Hz to 20 kHz	±0.3% rdg. ±0.01% f.s.	φ15 mm (0.59 in.)	2.5 m (8.20 ft.)	-10°C to 50°C 14°F to 122°F	300 V CAT III	
CT7131		100 A AC	40 Hz to 20 kHz	±0.3% rdg. ±0.02% f.s.	φ15 mm (0.59 in.)	2.5 m (8.20 ft.)	-10°C to 50°C 14°F to 122°F	300 V CAT III	
CT7731		100 A AC/DC	DC to 5 kHz	±1.0% rdg. ±0.5% f.s.	ф33 mm (1.30 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV	
CT7631		100 A AC/DC	DC to 10 kHz	±1.0% rdg. ±0.5% f.s.	ф33 mm (1.30 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV	
CT7736		600 A AC/DC	DC to 5 kHz	±2.0% rdg. ±0.5% f.s.	ф33 mm (1.30 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV	
CT7636		600 A AC/DC	DC to 10 kHz	±2.0% rdg. ±0.5% f.s.	ф33 mm (1.30 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III	
CT7136		600 A AC	40 Hz to 20 kHz	±0.3% rdg. ±0.01% f.s.	ф46 mm (1.81 in.)	2.5 m (8.20 ft.)	-10°C to 50°C 14°F to 122°F	600 V CAT IV 1000 V CAT III	
CT7742		2000 A AC/DC	DC to 5 kHz	±1.5% rdg. ±0.5% f.s.	φ55 mm (2.17 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III	
CT7642		2000 A AC/DC	DC to 10 kHz	±1.5% rdg. ±0.5% f.s.	φ55 mm (2.17 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III	

Model	Appearance	Rated current	Frequency range	Amplitude accuracy	Diameter of measurable conductors	Cable length	Operating temperature	CAT
Measuren	nent of large o	currents						
CT7044		6000 A AC	10 Hz to 50 kHz	±1.5% rdg. ±0.25% f.s.	φ100 mm (3.94 in.)	2.3 m, 0.2 m* (7.55 ft., 0.66 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III
CT7045	\mathcal{O}	6000 A AC	10 Hz to 50 kHz	±1.5% rdg. ±0.25% f.s.	φ180 mm (7.09 in.)	2.3 m, 0.2 m* (7.55 ft., 0.66 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III
CT7046	\bigcirc	6000 A AC	10 Hz to 50 kHz	±1.5% rdg. ±0.25% f.s.	φ254 mm (10.00 in.)	2.3 m, 0.2 m* (7.55 ft., 0.66 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT IV 1000 V CAT III
Measuren	Measurement of leakage current							
CT7116		6 A AC	40 Hz to 5 kHz	±1.0% rdg. ±0.05% f.s.	ф40 mm (1.57 in.)	2.5 m (8.20 ft.)	-25°C to 65°C -13°F to 149°F	-

*Sensor cable: between flexible loop and circuit box for flexible sensors (e.g. CT7044), output cable for CT7116

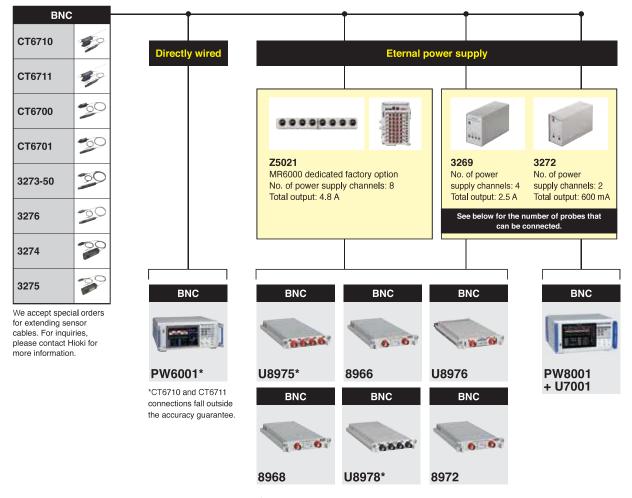
Grid p	ower qua	lity contro	bl				Output term	inals: BNC
Model	Appearance	Rated current	Frequency range	Amplitude accuracy	Diameter of measurable conductors	Cable length	Operating temperature	CAT
Measuren	nent of load c	urrent						
9694		5 A AC	40 Hz to 5 kHz	±0.3% rdg. ±0.02% f.s.	φ15 mm (0.59 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	300 V CAT II
9695-02*1		50 A AC	40 Hz to 5 kHz	±0.3% rdg. ±0.02% f.s.	φ15 mm (0.59 in.)	-	0°C to 50°C 32°F to 122°F	300 V CAT II
9660		100 A AC	40 Hz to 5 kHz	±0.3% rdg. ±0.02% f.s.	φ15 mm (0.59 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	300 V CAT II
9695-03*1		100 A AC	40 Hz to 5 kHz	±0.3% rdg. ±0.02% f.s.	φ15 mm (0.59 in.)	-	0°C to 50°C 32°F to 122°F	300 V CAT II
9010-50		10 A to 500 A AC	40 Hz to 1 kHz	±2% rdg. ±1% f.s.	ф46 mm (1.81 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	600 V CAT II
9018-50		10 A to 500 A AC	40 Hz to 3 kHz	±1.5% rdg. ±0.1% f.s.	ф46 mm (1.81 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	600 V CAT I
9132-50	<u> </u>	20 A to 1000 A AC	40 Hz to 1 kHz	±3% rdg. ±0.2% f.s.	φ55 mm (2.17 in.)	3 m (9.84 ft.)	-10°C to 50°C 14°F to 122°F	600 V CAT I
9661		500 A AC	40 Hz to 5 kHz	±0.3% rdg. ±0.01% f.s.	ф46 mm (1.81 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	600 V CAT II
9669		1000 A AC	40 Hz to 5 kHz	±1.0% rdg. ±0.01% f.s.	ф55 mm (2.17 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	600 V CAT I
Measuren	nent of large o	currents						
CT9667-01		500 A, 5000 A AC	10 Hz to 20 kHz	±2% rdg. ±0.3% f.s.	φ100 mm (3.94 in.)	2 m, 1 m*² (6.56 ft., 3.28 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT I 1000 V CAT I
CT9667-02		500 A, 5000 A AC	10 Hz to 20 kHz	±2% rdg. ±0.3% f.s.	φ180 mm (7.09 in.)	2 m, 1 m*² (6.56 ft., 3.28 ft.)	-25°C to 65°C -13°F to 149°F	600 V CAT I 1000 V CAT I
CT9667-03		500 A, 5000 A AC	10 Hz to 20 kHz	±2% rdg. ±0.3% f.s.	φ254 mm (10.00 in.)	2 m, 1 m*² (6.56 ft., 3.28 ft.)	-10°C to 50°C 14°F to 122°F	600 V CAT I 1000 V CAT I
Measuren	nent of leakag	e current						
9657-10		10 A AC	40 Hz to 5 kHz	±1.0% rdg. ±0.05% f.s.	φ40 mm (1.57 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	-
9675	Se 1	10 A AC	40 Hz to 5 kHz	±1.0% rdg. ±0.005% f.s.	ф30 mm (1.18 in.)	3 m (9.84 ft.)	0°C to 50°C 32°F to 122°F	-

*1: The 9695-02 and 9695-03 use an M3 terminal block for their output terminals. The extra purchase of the connection cable 9219 is required. *2: Sensor cable: between flexible loop and circuit box for flexible sensors (e.g. CT9667-01), output cable for others.

0						
ME15\	N	• • •				•
CT6862-05		Directly wired	External po	ower supply + con	nection cord	Conversion cable
CT6872	-					
CT6872-01			+0			
СТ6863-05			CT9555, CT955	6 L921	7 9165	CT9901
СТ6873			Connects one ser CT9557* Connects four ser	nsor Isolated Conne		Converts ME15W terminal to PL23 terminal
CT6873-01						
CT6875A		ME15W	BNC	BNC	BNC	PL23
CT6875A-1						ireal
СТ6904А		PW8001	D D D D D D D D D D	U8975	MR8870	8971+9318
CT6904A-1		ME15W	BNC	BNC	BNC	The 9318 comes with the 8971
CT6904A-2	8 -					
CT6904A-3		PW6001	DU PW3335-04	U8976	MR8880	
CT6876A		ME15W	BNC	BNC	BNC	
CT6876A-1				0000		
СТ6877А		PW3390	0 0 PW3336	U8978		
CT6877A-1	Q	ME15W	BNC	BNC	0.000	
9272-05	€ \	10.00		00	MR8875 + MR8901	
CT6841-05	1	U8977	0 0 PW3337	8966		
CT6843-05				BNC		
CT6844-05				0.0	*The CT9557 car input as an addee CT9557 Front	n output four channels of d waveform. Rear
CT6845-05				8968		
CT6846-05				BNC	Sensor input	1 2 3
PW9100A-3	C.manie	C. C		6 0.	Total RMS 1 output	CONNECTION CABLE
PW9100A-4	(annual "	CT9902 (ME15W-ME15W The CT9902 can be used a current sensor's cable by	to extend y 5 m. Up	8972	2 output	BNC-BNC m CONNECTION CABLE L9217, 9165
We accept speci for extending set cables. For inqui please contact H more information	nsor iries, łioki for	two of these cables can be a maximum extension of 1 *When using the CT9902, an a must be made to accuracy. For details, see the sensor's us	I0 m. addition		(BNC) Total wavefor output (ME15W)	BNC-BNC m CONNECTION CABLE CT9904 ME15W-ME15W

High-accuracy measurement

Waveform observation



*Special-order cables are required when using three or more probes simultaneously. Please contact Hioki for details.

The following products can be used with the U8975, U8976, U8978, 8966, 8968, and 8972



Current consumption per probe and number of probes per power supply

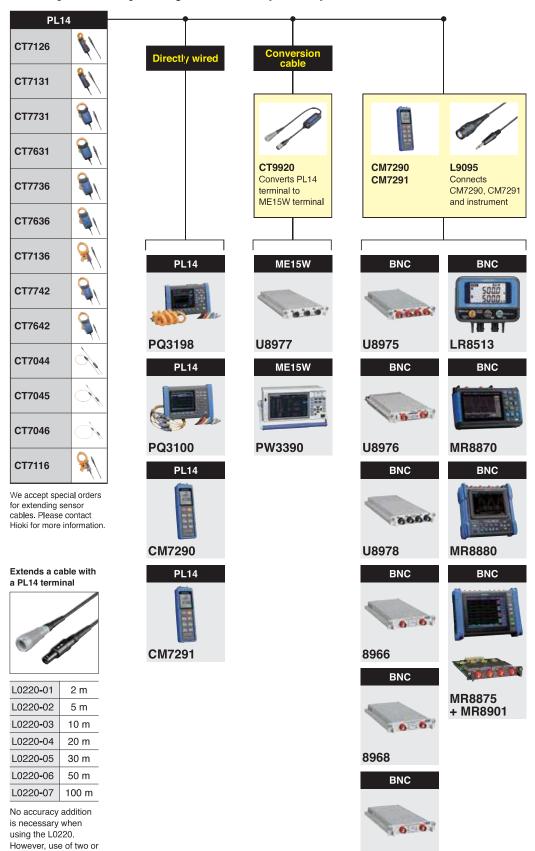
Current consumption varies by probe. The following table indicates how many probes can be utilized when using one type of probe per power supply.

Consumption current*	Z5021	3269	3272
approx. 650 mA	4	2	-
approx. 650 mA	4	2	-
approx. 250 mA	8	4	2
approx. 250 mA	8	4	2
approx. 450 mA	8	4	1
approx. 450 mA	8	4	1
approx. 600 mA	8	4	1
approx. 450 mA	8	4	1
	current* approx. 650 mA approx. 650 mA approx. 250 mA approx. 250 mA approx. 450 mA approx. 450 mA	current* 25021 approx. 650 mA 4 approx. 650 mA 4 approx. 250 mA 8 approx. 250 mA 8 approx. 450 mA 8 approx. 450 mA 8 approx. 600 mA 8	current* 25021 3269 approx. 650 mA 4 2 approx. 650 mA 4 2 approx. 250 mA 8 4 approx. 250 mA 8 4 approx. 450 mA 8 4 approx. 450 mA 8 4 approx. 600 mA 8 4

*When measuring the rated current.

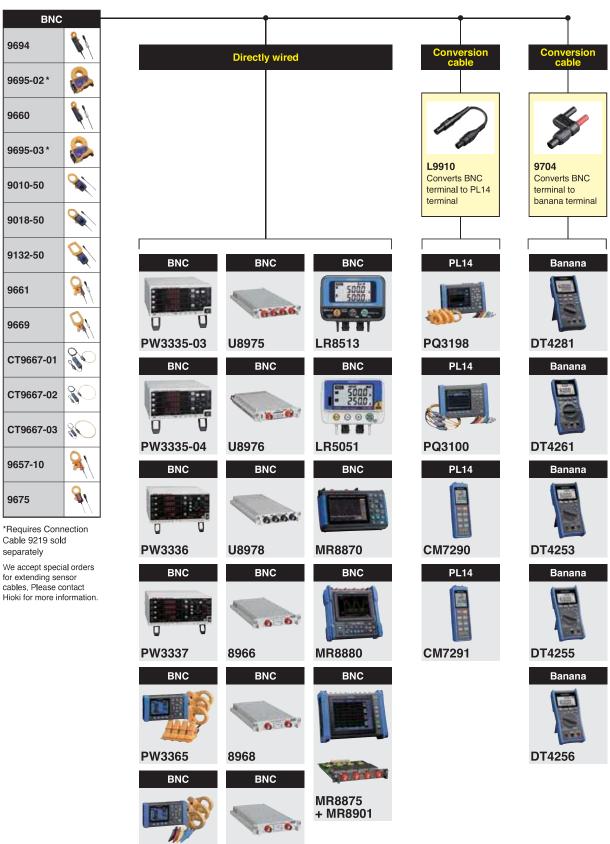
more cables together

falls outside the accuracy guarantee.



8972

Grid power quality control (PL14)



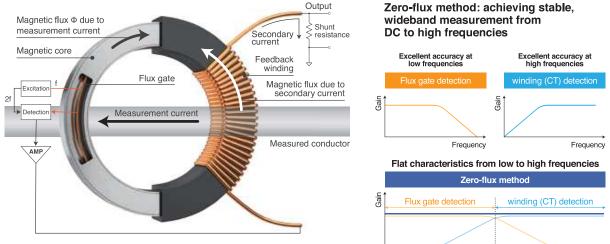
Grid power quality control (BNC)

PW3360

8972

Accurately evaluating power conversion efficiency

Improving power conversion efficiency is a key part of the effort to facilitate the effective use of energy. Devices that operate at high frequencies are increasingly being used to improve efficiency, and evaluation processes undertaken during the development of such devices requires accurate measurement of power at the low frequencies used by in previous devices as well as at high frequencies. Additionally, sensors that can resist noise are necessary since noise becomes stronger as the frequency increases. Hioki offers current sensors that can measure power accurately while providing robust noise resistance over a broad band of frequencies.



High-frequency currents are detected by a winding (CT), while DC to low-frequency currents are detected by a flux gate.

Zero-flux method (flux gate) current sensors













Frequency

CT6841-05, CT6843-05, CT6845-05, CT6846-05 CT6844-05

5 CT6862-05, CT6863-05, CT6875A, CT6876A CT6872, CT6873

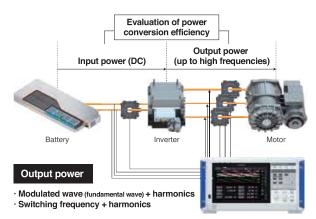
T6876A CT6877A

C10904A

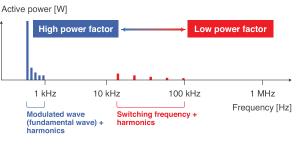
Application

Evaluating the power conversion efficiency of an inverter

When evaluating the power conversion efficiency of an inverter, the inverter's input and output power are measured and its efficiency is checked. PWM (pulse width modulated) inverter output, which has been widely used in recently years, contains a modulated wave (fundamental wave) and a switching frequency along with their respective harmonic components. Since switching frequencies tend to be high, the process requires wide frequency band current sensors.



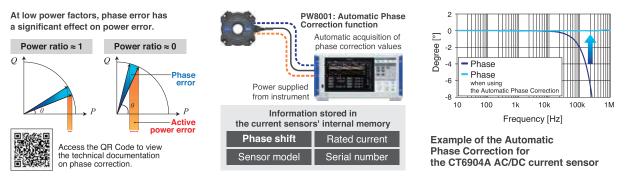
Inverter output: principal active power components



Since the power factor decreases with harmonics, current sensors' phase measurement accuracy becomes key (see right).

Phase measurement accuracy and correction: accurately measuring power at low power factors

For typical current sensors, phase measurement accuracy is not defined. However, phase measurement precision is important in applications where power must be measured with a high degree of accuracy. Power can be measured more accurately by selecting a current sensor for which phase measurement accuracy is defined in the measurement band.

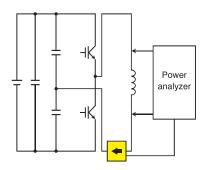


The power factor decreases in the high-frequency range of the switching frequencies and other frequency components. At low power factors, phase error has a significant effect on power measured values.

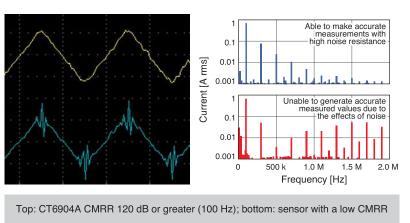
For typical sensors, phase error increases with frequency. Since Hioki has developed both current sensors and the measuring instruments, current sensors' phase characteristics can be corrected by the instruments, allowing accurate power values to be calculated.

Common-mode voltage rejection ratio: measuring current values accurately in noisy environments

In high-frequency measurement, sensors' resistance to noise is critical. A sensor's ability to remove noise is expressed by its common-mode rejection ratio (CMRR). Sensors with a high CMRR reject more noise and therefore can make more accurate measurements.

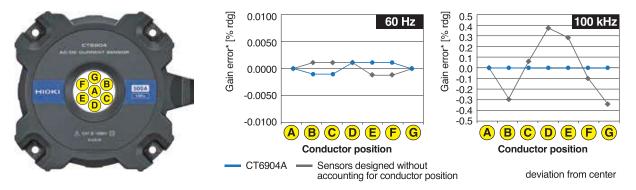


For reactors, higher frequencies mean lower current values. The image to the right shows a waveform obtained by measuring reactor current at high frequency along with variations in current values that accompany variations in the frequency.



Effects of conductor position: stable, highly reproducible sensing

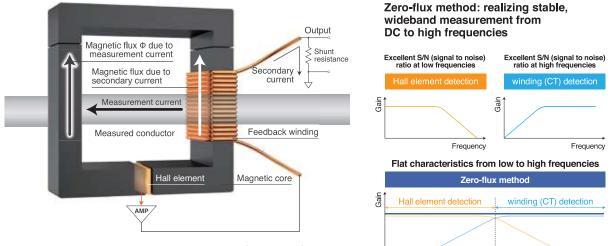
In general, speaking, the effects of conductor position increase with frequency. Since the position of the conductor inside the clamp core affects the measurement accuracy, resulting the reproducibility of measurement reduces. Sensors are designed the effects of conductor position, highly reproducible measurements are possible since conductor position does not affect measured values.



When using a sensor designed with the effects of conductor position, measured values are not affected when the conductor's position changes.

Clearly observing current waveforms

The magnitude of the currents that flow in power-saving devices during operation and control currents that flow in automotive accessory components have reduced to 1 mA or less. At the same time, reliance on high-speed switching operation for device control is resulting in increased noise. Wideband current probes that are highly resistant to noise are essential in order to clearly observe low-current waveforms without losing them in noise. Hioki offers current probes that enable clear waveform observation while providing robust noise resistance over a broad band of frequencies.



High-frequency currents are detected by the winding (CT), while DC to low-frequency currents are detected by the Hall element.

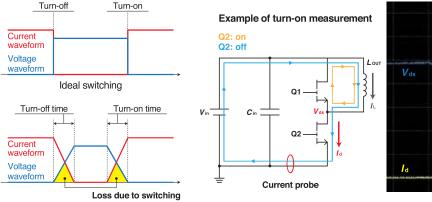
Zero-flux method (hall element) current probes

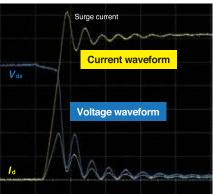


Application

Evaluating the response performance of switching devices

Switching devices control equipment by turning the power on and off. The response performance of switching devices is evaluated by observing fluctuations of current and voltage when the device cycles the power on and off. Capturing current fluctuations caused by high-speed switching operation requires current probes with a broad frequency band. Additionally, noise resistance is important since switching operation generates noise.



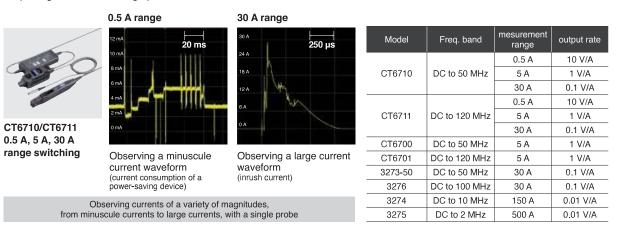


Frequency

Actual switching

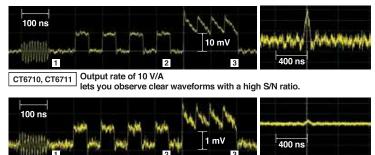
Observing waveforms from minuscule currents to large currents: evaluating the control design of ECUs and accessory components

The control systems used in ECUs and accessory components carry currents of a variety of magnitudes according to the vehicle's operation, from control currents to inrush currents. Using a current probe that can switch current ranges makes it possible to observe current waveforms associated with an array of operating conditions with a single probe.



Clearly observing minuscule currents: operating currents of power-saving devices and control currents flowing to accessory components

The magnitude of the currents that flow during operation of power-saving devices like wearables and control currents that flow in automotive accessory components tend to decrease in to 1 mA or less. Using a current probe with a high output rate make you possible for clearly observing minuscule current waveforms.



Output rate of 1 V/A Earlier model precludes observation of accurate waveforms as they are obscured by noise.

1 Sine wave: f = 100 MHz, 1 mA peak-peak

2 Square wave: f = 10 MHz, 1 mA peak-peak

3 Sawtooth wave: f = 20 MHz, 1 mA peak-peak (offset +1 mA)

Noise resistance design: key to increasing output rate



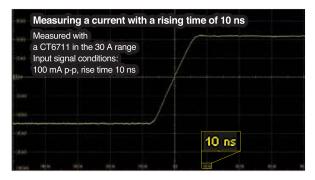
generated inside the probe. noise



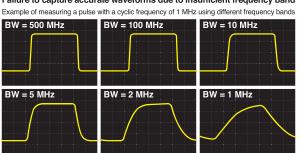
Hioki uses a proprietary Electromagnetic shielding thin-film Hall element to in the sensor improves reduce the amount of noise resistance to environmental

Observing waveforms across a broad band of frequencies: capturing waveforms and pulse waveforms that fluctuate at high speeds

Currents from switching operation of devices such as SiC and GaN inverters and currents that flow momentarily when a power supply is activated fluctuate at high speeds. Using a current probe with a wide frequency band allows you observe current waveforms that fluctuate at high speed. Additionally, such devices allow you observe current waveforms such as pulse waveforms that contain a variety of frequency components.



Current probes with a wide frequency band can capture high-speed current fluctuations with a rising time of 10 ns.



Current probes with a wide frequency band can accurately capture pulse waveforms.

Failure to capture accurate waveforms due to insufficient frequency band

CT6862-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	50 A AC/DC
Frequency band	DC to 1 MHz (-3 dB)
Diameter of measurable conductors	Max. φ 24 mm (0.94 in.)

Accuracy

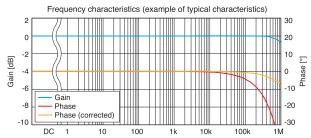
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.05% ±0.01%	-
DC < f ≤ 16 Hz	±0.10% ±0.02%	±0.3°
$16 \text{ Hz} < f \le 400 \text{ Hz}$	±0.05% ±0.01%	±0.2°
400 Hz < f ≤ 1 kHz	±0.2% ±0.02%	±0.5°
$1 \text{ kHz} < f \le 5 \text{ kHz}$	±0.7% ±0.02%	±1.0°
5 kHz < f ≤ 10 kHz	±1% ±0.02%	±1.0°
$10 \text{ kHz} < f \le 50 \text{ kHz}$	±1% ±0.02%	$\pm (0.5 + 0.1 \times f \text{ kHz})^{\circ}$
50 kHz < f ≤ 100 kHz	±2% ±0.05%	± (0.5 + 0.1× f kHz)°
100 kHz < f ≤ 300 kHz	±5% ±0.05%	± (0.5 + 0.1× f kHz)°
300 k Hz < f ≤ 700 kHz	±10% ±0.05%	-
700 kHz < f < 1 MHz	±30% ±0.05%	-

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instruments input resistance is 1 MQ or higher. Amplitude accuracy: defined at the rated value or less, or within the derating curve; DC < t < 5 Hz is the typical value by design. Phase accuracy:

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less
Effect of temperature	In ranges from -30°C to 0°C (-22°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.005% dg.ºC or less Offset voltage: ±0.005% f.s.ºC or less
Effect of common mode voltage	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)

Frequency derating 120 [Arms] 100 Maximum input current 80 60 40 20 0 DC 1 10 100 1k 10k 100k 1M

Frequency [Hz]



Frequency [Hz]

Output voltage	40 mV/A (= 2 V/50 A)	
Operating temperature and humidity range	-30°C to 85°C (-22°F to 185°F), 80% RH or less (no condensation)	
Storage temperature and humidity range	-30°C to 85°C (-22°F to 185°F), 80% RH or less (no condensation)	
Maximum rated voltage to ground	1000 V AC/DC (50/60 Hz), measurement category III, anticipated transient overvoltage: 8000 V	
Standards	Safety: EN61010, EMC: EN61326	
Cable length	3 m (9.84 ft.)	
Dimensions	70 mm (2.76 in.) W × 100 mm (3.94 in.) H × 53 mm (2.09 in.) D (Excluding protruding parts and cables)	
Weight	Approx. 340 g (12.0 oz.)	





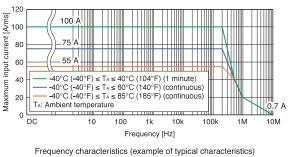
Product warranty period: 3 years Guaranteed accuracy period: 1 year

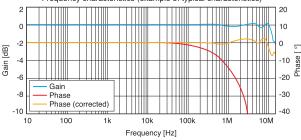
Rated current	50 A AC/DC
Frequency band	DC to 10 MHz (-3 dB)
Diameter of measurable conductors	Max. φ 24 mm (0 94 in)

Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.03% ±0.002%	-
DC < f ≤ 16 Hz	±0.1% ±0.01%	±0.1°
16 Hz < f ≤ 45 Hz	±0.05% ±0.01%	±0.08°
45 Hz < f ≤ 66 Hz	±0.03% ±0.007%	±0.05°
66 Hz < f ≤ 100 Hz	±0.04% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.06% ±0.01%	±0.15°
500 Hz < f ≤ 1 kHz	±0.1% ±0.01%	±0.4°
1 kHz < f ≤ 5 kHz	±0.15% ±0.02%	±0.4°
5 kHz < f ≤ 10 kHz	±0.15% ±0.02%	±0.5°
10 kHz < f ≤ 1 MHz	(0.012 × f kHz)% + 0.05%	±(0.04 × f kHz)° ±0.1°

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73.4°F ±41°F), 80% RH or less	
Effect of temperature	In ranges from -40°C to 18°C (-40°F to 64.4°F) and 28°C to 85°C (82.4°F to 185°F) Amplitude sensitivity: ±20 ppm of rdg,/°C Offset voltage: ±0.2 ppm of f.s./°C	
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 150 dB or greater (DC to 1 kHz) 140 dB or greater (1 kHz to 10 kHz) 120 dB or greater (10 kHz to 10 kHz) 100 dB or greater (100 kHz to 1 MHz)	
Linearity error	±2 ppm	
Offset error	±5 ppm	
Amplitude errors	DC: 7 ppm 10 Hz to 100 Hz: 0.005% 100 Hz to 1 kHz: 0.01% 1 kHz to 50 kHz: 0.1%	50 kHz to 100 kHz: 0.3% 100 kHz to 300 kHz: 1% 300 kHz to 1 MHz: 3%





Output voltage	40 mV/A (= 2 V / 50 A)	
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)	
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)	
Maximum rated voltage to ground	1000 V CAT III Anticipated transient overvoltage: 8000 V	
Standards	Safety: EN61010, EMC: EN61326	
Cable length	CT6872: 3 m (9.84 ft.) CT6872-01: 10 m (32.81 ft.)	
Dimensions	70 mm (2.76 in.) W \times 110 mm (4.33 in.) H \times 53 mm (2.09 in.) D (excluding protruding parts and cables)	
Weight	CT6872: approx. 370 g (13.1 oz.) CT6872-01: approx. 690 g (24.3 oz.)	

CT6863-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

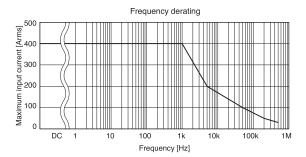
Rated current	200 A AC/DC
Frequency band	DC to 500 kHz (-3 dB)
Diameter of measurable conductors	Max. ø 24 mm (0.94 in.)

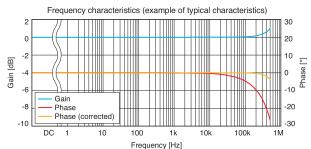
Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.05% ±0.01%	-
DC < f ≤ 16 Hz	±0.10% ±0.02%	±0.3°
$16 \text{ Hz} < f \le 400 \text{ Hz}$	±0.05% ±0.01%	±0.2°
400 Hz < f ≤ 1 kHz	±0.2% ±0.02%	±0.5°
$1 \text{ kHz} < f \le 5 \text{ kHz}$	±0.7% ±0.02%	±1.0°
5 kHz < f ≤ 10 kHz	±1% ±0.02%	±1.0°
$10 \text{ kHz} < f \le 50 \text{ kHz}$	±2% ±0.02%	$\pm (0.5 + 0.1 \times f \text{ kHz})^{\circ}$
$50 \text{ kHz} < f \le 100 \text{ kHz}$	±5% ±0.05%	± (0.5 + 0.1 × f kHz)°
100 kHz < f ≤ 300 kHz	±10% ±0.05%	± (0.5 + 0.1 × f kHz)°
300 kHz < f ≤ 500 kHz	±30% ±0.05%	-

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instrument's input resistance is 1 MQ or higher. Amplitude accuracy defined at the rated value or less, or within the derating curve; DC <1 < 5 Hz is the typical value by design. Phase accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 10 Hz is the typical value by design.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less
Effect of temperature	In ranges from -30°C to 0°C (-22°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.005% rdg./°C or less Offset voltage: ±0.005% f.s./°C or less
Effect of common mode voltage	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)





Output voltage	10 mV/A (= 2 V / 200 A)	
Operating temperature and humidity range	-30°C to 85°C (-22°F to 185°F), 80% RH or less (no condensation)	
Storage temperature and humidity range	-30°C to 85°C (-22°F to 185°F), 80% RH or less (no condensation)	
Maximum rated voltage to ground	1000 V AC/DC (50/60 Hz), measurement category III, anticipated transient overvoltage: 8000 V	
Standards	Safety: EN61010, EMC: EN61326	
Cable length	3 m (9.84 ft.)	
Dimensions	70 mm (2.76 in.) W \times 100 mm (3.94 in.) H \times 53 mm (2.09 in.) D (excluding protruding parts and cables)	
Weight	Approx. 340 g (12.0 oz.)	

CT6873 CT6873-01 NEW



Product warranty period: 3 years Guaranteed accuracy period: 1 year

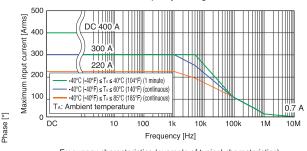
Rated current	200 A AC/DC
Frequency band	DC to 10 MHz (-3 dB)
Diameter of measurable conductors	Max. φ 24 mm (0.94 in.)

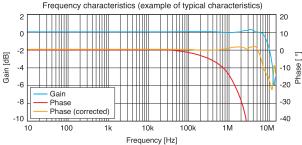
Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.03% ±0.002%	-
$DC < f \le 16 Hz$	±0.1% ±0.01%	±0.1°
16 Hz < f ≤ 45 Hz	±0.05% ±0.01%	±0.08°
45 Hz < f ≤ 66 Hz	±0.03% ±0.007%	±0.05°
66 Hz < f ≤ 100 Hz	±0.04% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.05% ±0.01%	±0.15°
500 Hz < f ≤ 3 kHz	±0.1% ±0.01%	±0.4°
3 kHz < f ≤ 5 kHz	±0.2% ±0.02%	±0.4°
$5 \text{ kHz} < f \le 10 \text{ kHz}$	±0.2% ±0.02%	±0.5°
10 kHz < f ≤ 1 MHz	(0.018 × f kHz)% + 0.05%	±(0.04 × f kHz)° ±0.1°

The values above are when the input is a sine wave, the measuring instrument has an input resistance of 1 MQ ±10%, the voltage to ground is 0 V, there is no external magnetic field, and the conductor is in the center of the sensor opening. A mpflude accuracy to the derating curve; DC <1 < 10 Hz is the value by design. Phase accuracy: defined 110% f.s. or less, or within the derating curve; DC <1 < 10 Hz is the value by design. Add ±0.01% rol, to the analysis of the sensor opening. The sensor within the derating curve; DC <1 < 10 Hz is the value by design. Add ±0.01% rol, to the analysis of the advector sensor of the sensor opening. The sensor of the sensor opening the sensor of the sensor opening the sensor of the sensor opening. The sensor of the sensor opening th

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73.4°F ±41°F), 80% RH or less	
Effect of temperature	In ranges from -40°C to 18°C (-40°F to 64.4°F) and 28°C to 85°C (82.4°F to 185°F) Amplitude sensitivity: ±15 ppm of rdg./°C Offset voltage: ±0.1 ppm of f.s./°C	
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 150 dB or greater (DC to 1 kHz) 140 dB or greater (1 kHz to 10 kHz) 120 dB or greater (10 kHz to 10 kHz) 100 dB or greater (100 kHz to 1 MHz)	
Linearity errors	±2 ppm	
Offset error	±5 ppm	
Amplitude error	DC: ±7 ppm 10 Hz to 500 Hz: ±0.005% 500 Hz to 3 kHz: ±0.01% 3 kHz to 30 kHz: ±0.1%	30 kHz to 100 kHz: ±0.4% 100 kHz to 400 kHz: ±1% 400 kHz to 1 MHz: ±3%





Output voltage	10 mV/A (= 2 V / 200 A)
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Maximum rated voltage to ground	1000 V CAT III Anticipated transient overvoltage: 8000 V
Standards	Safety: EN61010, EMC: EN61326
Cable length	CT6873: 3 m (9.84 ft.) CT6873-01: 10 m (32.81 ft.)
Dimensions	70 mm (2.76 in.) W \times 110 mm (4.33 in.) H \times 53 mm (2.09 in.) D (excluding protruding parts and cables)
Weight	CT6873: approx. 370 g (13.1 oz.) CT6873-01: approx. 690 g (24.3 oz.)

CT6875A CT6875A-1



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	500 A AC/DC
Frequency band	CT6875A: DC to 2 MHz (±3 dB)
	CT6875A-1: DC to 1.5 MHz (±3 dB)

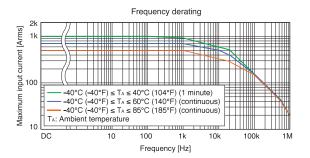
Diameter of measurable conductors Max. ϕ 36 mm (1.41 in.)

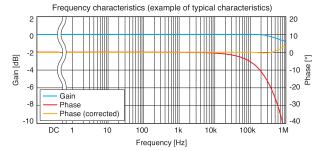
Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.04% ±0.008%	-
DC < f < 16 Hz	±0.1% ±0.02%	±0.1°
16 Hz ≤ f < 45 Hz	±0.05% ±0.01%	±0.1°
45 Hz ≤ f ≤ 66 Hz	±0.04% ±0.008%	±0.08°
66 Hz < f ≤ 100 Hz	±0.05% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.1% ±0.02%	±0.2°
500 Hz < f \leq 1 kHz	±0.2% ±0.02%	±0.4°
1 kHz < f ≤ 5 kHz	±0.4% ±0.02%	±0.5°
5 kHz < f ≤ 10 kHz	±0.4% ±0.02%	±(0.1 × f kHz)°
10 kHz < f ≤ 50 kHz	±1.5% ±0.05%	±(0.1 × f kHz)°
50 kHz < f ≤ 100 kHz	±2.5% ±0.05%	±(0.1 × f kHz)°
$100 \text{ kHz} < f \le 1 \text{ MHz}$	±(0.025 × f kHz)% ±0.05%	±(0.1 × f kHz)°

Amplitude accuracy: defined 110% f.s. or less, or within the derating curve; DC <1 < 10 Hz is the value by design. Add $\pm 0.01\%$ of the teamplitude accuracy for input from 100% f.s. to 110% f.s. - For the CT6875A-1, add the following for frequencies of 1 HHz <1 st 1 HHz (the frequency band is 1.5 MHz as dB): Amplitude accuracy: $\pm (0.005 \times f \text{ kHz})\%$ rdg, Phase accuracy: $\pm (0.015 \times f \text{ kHz})\%$

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less	
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±20 ppm of reading / °C Offset voltage: ±1 ppm of full scale / °C	
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 140 dB or greater (50/60 Hz) 120 dB or greater (100 kHz)	
Linearity error	±5 ppm	
Offset error	±5 ppm	
Amplitude error	DC: ±10 ppm 10 Hz to 100 Hz: ±0.005% 100 Hz to 1 kHz: ±0.02% 1 kHz to 20 kHz: ±0.08%	20 kHz to 100 kHz: ±0.5% 100 kHz to 300 kHz: ±1% 300 kHz to 1 MHz: ±5%





Output voltage	4 mV/A (= 2 V / 500 A)
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Maximum rated voltage to ground	1000 V CAT III Anticipated transient overvoltage: 8000 V
Standards	Safety: EN61010, EMC: EN61326
Cable length	CT6875A: 3 m (9.84 ft.) CT6875A-1: 10 m (32.81 ft.)
Dimensions	160 mm (6.30 in.) W \times 112 mm (4.41 in.) H \times 50 mm (1.97 in.) D (excluding protruding parts and cables)
Weight	CT6875A: approx. 0.8 kg (28.2 oz.) CT6875A-1: approx. 1.1 kg (38.8 oz.)

CT6904A CT6904A-1

(CT6904A-1: build-to-order product)

Product warranty period: 3 years Guaranteed accuracy period

aranteed	accuracy	period: 1	year

500 A AC/DC	

nd	CT6904A: DC to 4 MHz (±3 dB)
	CT6904A-1: DC to 2 MHz (±3 dB)

Diameter of measurable conductors Max. ϕ 32 mm (1.25 in.)

Accuracy

Maximum input current [Arms]

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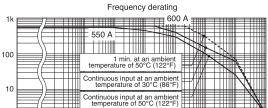
DC 1 10

Rated current Frequency ba

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.025% ±0.007%	-
DC < f < 16 Hz	±0.2% ±0.02%	±0.1°
16 Hz ≤ f < 45 Hz	±0.1% ±0.02%	±0.1°
45 Hz ≤ f ≤ 65 Hz	±0.02% ±0.007%	±0.08°
65 Hz < f ≤ 850 Hz	±0.05% ±0.007%	±0.12°
850 Hz < f ≤ 1 kHz	±0.1% ±0.01%	±0.4°
1 kHz < f ≤ 5 kHz	±0.4% ±0.02%	±0.4°
$5 \text{ kHz} < f \le 10 \text{ kHz}$	±0.4% ±0.02%	±(0.08 × f kHz)°
10 kHz < f ≤ 50 kHz	±1% ±0.02%	±(0.08 × f kHz)°
50 kHz < f ≤ 100 kHz	±1% ±0.05%	±(0.08 × f kHz)°
100 kHz < f ≤ 300 kHz	±2% ±0.05%	±(0.08 × f kHz)°
$300 \text{ kHz} < f \le 1 \text{ MHz}$	±5% ±0.05%	±(0.08 × f kHz)°

- Amplitude accuracy and phase accuracy: defined 110% f.s. or less, or within the derating curve (continuous input at an ambient temperature of 50°C); DC < 1 < 10 Hz is the value by design. - Add =0.01% rdg, to the amplitude accuracy for input from 100% f.s. to 110% f.s. - For the CT6904A-1, add the following for frequencies of 50 kHz < 1 HHz (the frequency band is 2 MHz ±3 dB): Amplitude accuracy: \pm (0.015 × 1)% rdg.

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73°F ±9°F), 80% RH or less
Effect of temperature	In ranges from -10°C to 18°C (14°F to 64.4°F) or 28°C to 50°C (82.4°F to 122°F) Amplitude sensitivity: ±20 ppm of of reading / °C Offset voltage: ±1 ppm of full scale / °C Phase: ±0.01°/°C
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 140 dB or greater (50/60 Hz) 120 dB or greater (100 kHz)
Linearity error	±5 ppm
Offset error	±10 ppm



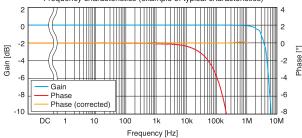
100 1k 10k Frequency [Hz]

100k

1M

10M

Frequency characteristics (example of typical characteristics)



out voltage	4 mV/A (= 2 V / 500 A)
rating temperature and idity range	-10°C to 50°C (-14°F to 122°F), 80% RH or less (no condensation)
age temperature and idity range	-20°C to 60°C (-4°F to 140°F), 80% RH or less (no condensation)
imum rated voltage to nd	1000 V CAT III Anticipated transient overvoltage: 8000 V
Idards	Safety: EN61010, EMC: EN61326
le length	CT6904A: 3 m (9.84 ft.) (including relay box)) CT6904A-1: 10 m (32.81 ft.) (including relay box)
ensions	139 mm (5.47 in.) W \times 120 mm (4.72 in.) H \times 52 mm (2.05 in.) D (excluding protrusions and cables)
ght	CT6904A: approx. 1.05 kg (37.0 oz.) CT6904A-1: approx. 1.35 kg (47.6 oz.)

CT6904A-2 CT6904A-3

(Build-to-order product)

Product warranty period: 3 years Guaranteed accuracy period: 1 year	
Rated current	800 A AC/DC
Frequency band	CT6904A-2: DC to 4 MHz (±3 dB)
	CT6904A-3: DC to 2 MHz (±3 dB)

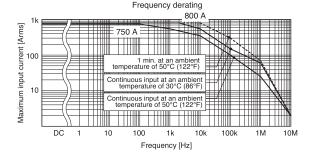
Diameter of measurable conductors Max. ϕ 32 mm (1.25 in.)

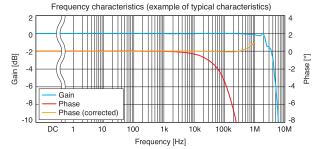
Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.030% ±0.009%	-
DC < f < 16 Hz	±0.2% ±0.025%	±0.1°
16 Hz ≤ f < 45 Hz	±0.1% ±0.025%	±0.1°
45 Hz ≤ f ≤ 65 Hz	±0.025% ±0.009%	±0.08°
65 Hz < f ≤ 850 Hz	±0.05% ±0.009%	±0.12°
850 Hz < f ≤ 1 kHz	±0.1% ±0.013%	±0.4°
1 kHz < f ≤ 5 kHz	±0.4% ±0.025%	±0.4°
5 kHz < f ≤10 kHz	±0.4% ±0.025%	±(0.08 × f kHz)°
10 kHz < f ≤ 50 kHz	±1% ±0.025%	±(0.08 × f kHz)°
50 kHz < f ≤ 100 kHz	±1% ±0.063%	±(0.08 × f kHz)°
100 kHz < f ≤ 300 kHz	±2% ±0.063%	±(0.08 × f kHz)°
$300 \text{ kHz} < f \le 1 \text{ MHz}$	±5% ±0.063%	±(0.08 × f kHz)°

Amplitude accuracy and phase accuracy are specified by the following conditions: - Rated value or less - At 100Hz or more and within the range of "Continuous input at an ambient temperature of 50°C (122°F)" described in the frequency derating graph below - For the C1804A-3; add the following for frequencies of 50 kHz < t \le 1 MHz (frequency band is 2 MHz s3). Amplitude accuracy: \pm (0.015 ×1% rdg.

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73°F ±9°F), 80% RH or less
Effect of temperature	In ranges from -10°C to 18°C (14°F to 64.4°F) or 28°C to 50°C (82.4°F to 122°F) Amplitude sensitivity: ± 50 ppm of reading / °C Offset voltage: ±5 ppm of full scale / °C Phase: ±0.01° / °C
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 140 dB or greater (50/60 Hz) 120 dB or greater (100 kHz)
Linearity error	±12.5 ppm
Offset error	±10 ppm





Output voltage	2 mV/A (= 2 V / 1000 A)
Operating temperature and humidity range	-10°C to 50°C (-14°F to 122°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-20°C to 60°C (-4°F to 140°F), 80% RH or less (no condensation)
Maximum rated voltage to ground	1000 V CAT III Anticipated transient overvoltage: 8000 V
Standards	Safety: EN61010, EMC: EN61326
Cable length	CT6904A-2: 3 m (9.84 ft.) (including relay box) CT6904A-3: 10 m (32.81 ft.) (including relay box)
Dimensions	139 mm (5.47 in.) W \times 120 mm (4.72 in.) H \times 52 mm (2.05 in.) D (excluding protrusions and cables)
Weight	CT6904A-2: approx. 1.15 kg (40.6 oz.) CT6904A-3: approx. 1.45 kg (51.1 oz.)

CT6876A CT6876A-1



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	1000 A AC/DC
Frequency band	CT6876A: DC to 1.5 MHz (±3 dB) CT6876A-1: DC to 1.2 MHz (±3 dB)

Diameter of measurable conductors Max. ϕ 36 mm (1.41 in.)

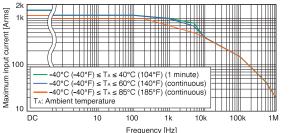
Accuracy

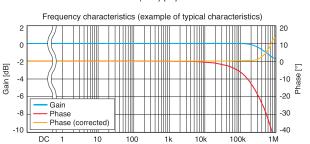
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.04% ±0.008%	-
DC < f < 16 Hz	±0.1% ±0.02%	±0.1°
16 Hz ≤ f < 45 Hz	±0.05% ±0.01%	±0.1°
45 Hz ≤ f ≤ 66 Hz	±0.04% ±0.008%	±0.08°
66 Hz < f ≤ 100 Hz	±0.05% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.1% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.2% ±0.02%	±0.4°
1 kHz < f ≤ 5 kHz	±0.5% ±0.02%	±0.5°
5 kHz < f ≤ 10 kHz	±0.5% ±0.02%	±(0.1 × f kHz)°
10 kHz < f ≤ 50 kHz	±2% ±0.05%	±(0.1 × f kHz)°
50 kHz < f ≤ 100 kHz	±3% ±0.05%	±(0.1 × f kHz)°
100 kHz < f ≤ 1 MHz	±(0.03 × f kHz)% ±0.05%	±(0.1 × f kHz)°

Amplitude accuracy and phase accuracy: defined 110% f.s. or less or within the derating curve; DC < I < 10 Hz is the value by design Add $\pm 0.01\%$ of to the amplitude accuracy for input from 100% f.s. to 110% f.s. For the CT6876A-1, add the following for frequencies of 1 kHz < f \le 1 MHz (the frequency band is 1,2 WHz \ge 3 dB). Add the accuracy: $\pm (0.05 \times f \text{ kHz})\%$ rdg. Phase accuracy: $\pm (0.015 \times f \text{ kHz})\%$

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or l ess	
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±20 ppm of reading / °C Offset voltage: ±1 ppm of full scale / °C	
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 140 dB or greater (50/60 Hz) 120 dB or greater (100 kHz)	
Linearity error	±5 ppm	
Offset error	±5 ppm	
Amplitude error	DC: ±10 ppm 10 Hz to 100 Hz: ±0.005% 100 Hz to 1 kHz: ±0.03% 1 kHz to 10 kHz: ±0.2%	10 kHz to 100 kHz: ±1% 100 kHz to 300 kHz: ±3% 300 kHz to 1 MHz: ±15%

Frequency derating





Output voltage 2 mV/A (= 2 V / 1000 A) Operating temperature and -40°C to 85°C (-40°F to 185°F), 80% RH or less humidity range (no condensation) -40°C to 85°C (-40°F to 185°F), 80% RH or less Storage temperature and humidity range (no condensation) Maximum rated voltage to 1000 V CAT III ground Anticipated transient overvoltage: 8000 V Standards Safety: EN61010, EMC: EN61326 CT6876A: 3 m (9.84 ft.) CT6876A-1: 10 m (32.81 ft.) Cable length 160 mm (6.30 in.) W \times 112 mm (4.41 in.) H \times 50 mm (1.97 in.) D (excluding protruding parts and cables) Dimensions CT6876A: approx. 0.95 kg (33.5 oz.) CT6876A-1: approx. 1.25 kg (44.1 oz.) Weight

Frequency [Hz]

CT6877A CT6877A-1



Product warranty period: 3 years Guaranteed accuracy period: 1 year

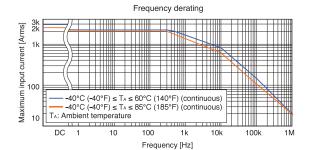
Rated current	2000 A AC/DC
Frequency band	DC to 1 MHz
Diameter of measurable conductors	Max. φ 80 mm (3.14 in.)

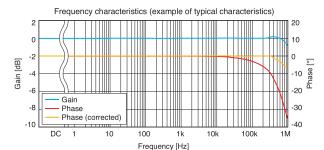
Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.04% ±0.008%	-
DC < f < 16 Hz	±0.1% ±0.02%	±0.1°
16 Hz ≤ f < 45 Hz	±0.05% ±0.01%	±0.1°
45 Hz ≤ f ≤ 66 Hz	±0.04% ±0.008%	±0.08°
66 Hz < f ≤ 100 Hz	±0.05% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.1% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.2% ±0.02%	±0.4°
1 kHz < f ≤ 5 kHz	±0.5% ±0.02%	± (0.3 + 0.1 × f kHz)°
5 kHz < f ≤ 10 kHz	±0.5% ±0.02%	± (0.3 + 0.1 × f kHz)°
10 kHz < f ≤ 50 kHz	±1.5% ±0.05%	± (0.3 + 0.1 × f kHz)°
50 kHz < f ≤ 100 kHz	±2.5% ±0.05%	± (0.3 + 0.1 × f kHz)°
100 kHz < f ≤ 700 kHz	±(0.025 × f)% ±0.05%	± (0.3 + 0.1 × f kHz)°

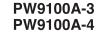
Amplitude accuracy and phase accuracy: defined 110% f.s. or less, or within the derating curve, DC < t < 10 Hz is the value by design. Add ±0.01% reg, to the amplitude accuracy for input from 100% f.s. to 110% f.s. For the CT6877A-1, add the following for frequencies of 1 kHz < 1 s 700 kHz: Amplitude accuracy. ±0.005 x 1% rdg., Phase accuracy. ±0.015 x 1% rdg.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less	
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±15 ppm of reading / °C Offset voltage: ±0.5 ppm of full scale / °C	
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 140 dB or greater (50/60 Hz) 120 dB or greater (100 kHz)	
Linearity error	±10 ppm	
Offset error	±5 ppm	
Amplitude error	DC: ±15 ppm 10 Hz to 100 Hz: ±0.01% 100 Hz to 1 kHz: ±0.04% 1 kHz to 10 kHz: ±0.25%	10 kHz to 100 kHz: ±1% 100 kHz to 300 kHz: ±2% 300 kHz to 700 kHz: ±10%





1 mV/A (= 2 V / 2000 A) Output voltage -40°C to 85°C (-40°F to 185°F), 80% RH or less Operating temperature and humidity range (no condensation) Storage temperature and humidity range -40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation) Maximum rated voltage to 1000 V CAT III Anticipated transient overvoltage: 8000 V ground Standards Safety: EN61010, EMC: EN61326 CT6877A: 3 m (9.84 ft.) Cable length CT6877A-1: 10 m (32.81 ft.) 229 mm (9.02 in.) W × 232 mm (9.13 in.) H × 112 mm Dimensions (4.41 in.) D (excluding protruding parts and cables) CT6877A: approx. 5 kg (176.4 oz.) CT6877A-1: approx. 5.3 kg (187.0 oz.) Weight





*Direct Connection Current Transducer

Product warranty period: 3 years Guaranteed accuracy period: 1 year

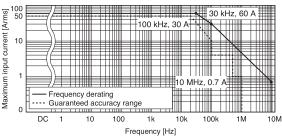
Rated current	50 A AC/DC
Frequency band	DC to 3.5 MHz
Input and measurement method	Isolated input, DCCT* input
Measurement terminals	Terminal block M6 screws

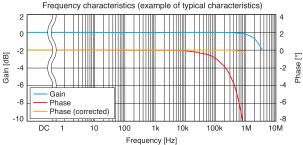
Accuracy

·····,		
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.02% ±0.007%	-
DC < f < 30 Hz	±0.1% ±0.02%	±0.3°
30 Hz ≤ f < 45 Hz	±0.1% ±0.02%	±0.1°
45 Hz ≤ f ≤ 65 Hz	±0.02% ±0.005%	±0.1°
65 Hz < f ≤ 500 Hz	±0.1% ±0.01%	±0.12°
500 Hz < f ≤ 1 kHz	±0.1% ±0.01%	±0.5°
1 kHz < f ≤ 5 kHz	±0.5% ±0.02%	±0.5°
5 kHz < f ≤ 20 kHz	±1% ±0.02%	±1°
20 kHz < f ≤ 50 kHz	±1% ±0.02%	±(0.05 × f kHz)°
50 kHz < f ≤ 100 kHz	±2% ±0.05%	±(0.06 × f kHz)°
100 kHz < f ≤ 300 kHz	±5% ±0.05%	±(0.06 × f kHz)°
300 kHz < f ≤ 700 kHz	±5% ±0.05%	±(0.07 × f kHz)°
700 kHz < f ≤ 1 MHz	±10% ±0.05%	±(0.07 × f kHz)°
· Amplitude accuracy and phase a	ccuracy: defined within the accuracy quara	ntee range shown in

Amplitude accuracy and phase accuracy: defined within the accuracy guarantee the derating figure below; DC < f < 10 Hz is the value by design.
 Add ±0.01% rdg, to the amplitude accuracy for input from 100% f.s. to 110% f.s.

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73°F ±9°F), 80% RH or less
Effect of temperature	In ranges from 0°C to 18°C (32°F to 64°F) and 28°C to 40°C (82°F to 104°F) Amplitude sensitivity: ±20 ppm of reading /°C Offset voltage: ±1 ppm of full scale / °C Phase: ±0.01° / °C
Common-Mode Rejection Ratio (CMRR)	(effect on output voltage and common mode voltage) 120 dB or greater (50/60 Hz, 100 kHz)





Output voltage	40 mV/A (= 2 V / 50 A)
Operating temperature and humidity range	0°C to 40°C (32°F to 104°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-10°C to 50°C (14°F to 122°F), 80% RH or less (no condensation)
Maximum rated voltage to ground	600 V CAT III, 1000 V CAT II Anticipated transient overvoltage: 6000 V
Standards	Safety: EN 61010, EMC: EN 61326 Class A
Cable length	0.8 m (2.62 ft.)
Dimensions	430 mm (16.9 in.) W × 88 mm (3.46 in.) H × 260 mm (10.23 in.) D
Weight	PW9100A-3: approx. 3.7 kg (130.5 oz.) PW9100A-4: approx. 4.3 kg (151.7 oz.)

CT6841-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	20 A AC/DC
Frequency band	DC to 1 MHz
Diameter of measurable conductors	Мах ф 20 mm (0 79 in)

Accuracy

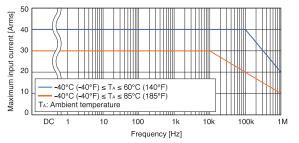
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.3% ±0.05%*	-
DC < f ≤ 100 Hz	±0.3% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.3% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.5% ±0.02%	±0.5°
1 kHz < f≤ 5 kHz	±1.0% ±0.02%	±1.0°
5 kHz < f≤ 10 kHz	±1.5% ±0.02%	±1.5°
10 kHz < f≤ 50 kHz	±2.0% ±0.02%	± (0.5 + 0.1 × f kHz)°
50 kHz < f≤ 100 kHz	±5.0% ±0.05%	± (0.5 + 0.1 × f kHz)°
100 kHz < f≤ 300 kHz	±10% ±0.05%	± (0.5 + 0.1 × f kHz)°
300 kHz < f≤ 500 kHz	±15% ±0.05%	-
500 kHz < f < 1 MHz	±30% ±0.05%	-

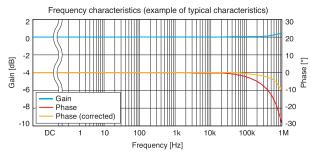
*±0.05% f.s. after adjusting the offset voltage to ±0.5 mV or less.

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instrument's input resistance is 1 MQ or higher. Amplitude accuracy: defined at the rated value, or less or within the derating curve; DC <1 < 5 Hz is the value by design. Phase accuracy: defined at the rated value or less or within the derating curve; DC <1 < 10 Hz is the value by design.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.01% of reading /°C Offset voltage: ±0.005% of full scale / °C
Effect of common mode	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)

Frequency derating





Output voltage	100 mV/A (= 2 V / 20 A)
Measurable conductors	Insulated conductor
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Withstand voltage	4260 V AC Withstand test current of 1 mA, 50/60 Hz, 1 min., between jaws and cable output terminal
Standards	Safety: EN 61010, EMC: EN 61326
Cable length	3 m (9.84 ft.)
Dimensions	153 mm (6.02 in.) W \times 67 mm (2.64 in.) H \times 25 mm (0.98 in.) D (excluding protruding parts and cables)
Weight	Approx. 350 g (12.3 oz.)

CT6843-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	200 A AC/DC
Frequency band	DC to 500 kHz
Diameter of measurable conductors	Мах. ф 20 mm (0 79 in)

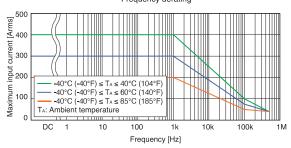
Accuracy

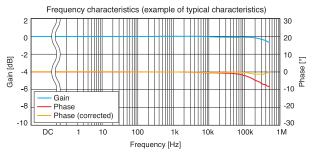
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.3% ±0.02%*	-
DC < f ≤ 100 Hz	±0.3% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.3% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.5% ±0.02%	±0.5°
1 kHz < f ≤ 5 kHz	±1.0% ±0.02%	±1.0°
$5 \text{ kHz} < f \le 10 \text{ kHz}$	±1.5% ±0.02%	±1.5°
$10 \text{ kHz} < f \le 50 \text{ kHz}$	±5.0% ±0.02%	± (0.5 + 0.1 × f kHz)°
50 kHz < f ≤ 100 kHz	±15% ±0.05%	± (0.5 + 0.1 × f kHz)°
100 kHz < f ≤ 300 kHz	±15% ±0.05%	± (0.5 + 0.1 × f kHz)°
$300 \text{ kHz} < f \le 500 \text{ kHz}$	±30% ±0.05%	-

*±0.02% f.s. after adjusting the offset voltage to ±0.2 mV or less

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instrument's input resistance is 1 MQ or higher. Amplitude accuracy-defined at the rated value or less or within the derating curve; DC <1 < 5 Hz is the value by design. DC site accuracy, defined at the rated value or less or within the derating curve; DC <1 <10 Hz is the value by design.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or l ess
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.01% of reading /°C Offset voltage: ±0.005% of full scale / °C
Effect of common mode	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)





Output voltage	10 mV/A (= 2 V / 200 A)
Measurable conductors	Insulated conductor
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Withstand voltage	4260 V AC Withstand test current of 1 mA, 50/60 Hz, 1 min., between jaws and cable output terminal
Standards	Safety: EN 61010, EMC: EN 61326
Cable length	3 m (9.84 ft.)
Dimensions	153 mm (6.02 in.) W \times 67 mm (2.64 in.) H \times 25 mm (0.98 in.) D (excluding protruding parts and cables)
Weight	Approx. 370 g (13.1 oz.)

CT6844-05

Product warranty period: 3 yeasr

duaranteed accuracy period. I year		
Rated current	500 A AC/DC	
Frequency band	DC to 200 kHz	
Diameter of measurable conductors	Мах ф 20 mm (0 79 in)	

Accuracy

Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.3% ±0.02%*	-
DC < f ≤ 100 Hz	±0.3% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.3% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.5% ±0.02%	±0.5°
1 kHz < f ≤ 5 kHz	±1.0% ±0.02%	±1.0°
5 kHz < f ≤ 10 kHz	±1.5% ±0.02%	±1.5°
10 kHz < f ≤ 50 kHz	±5.0% ±0.02%	±(0.5 + 0.1 × f kHz)°
50 kHz < f ≤ 100 kHz	±15% ±0.05%	±(0.5 + 0.1 × f kHz)°
100 kHz < f ≤ 200 kHz	±30% ±0.05%	±(0.5 + 0.1 × f kHz)°

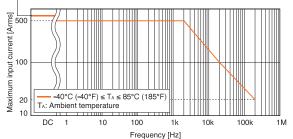
*±0.02% f.s. after adjusting the offset voltage to ±0.2 mV or less

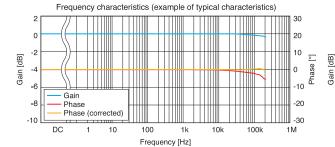
The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instruments input resistance is 1 MO or higher. A mplitude accuracy: defined at the rated value or less or within the derating curve; DC <1 < 5 Hz is the value by design. Phase accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 10 Hz is the value by design.

	Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less
ĺ	Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.01% of reading /°C Offset voltage: ±0.005% of full scale / °C
	Effect of common mode	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)

DC 720 A

Frequency derating





Output voltage	4 mV/A (= 2 V / 500 A)	
Measurable conductors	Insulated conductor	
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)	
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)	
Withstand voltage	4260 V AC Withstand test current of 1 mA, 50/60 Hz, 1 min., between jaws and cable output terminal	
Standards	Safety: EN 61010, EMC: EN 61326	
Cable length	3 m (9.84 ft.)	
Dimensions	153 mm (6.02 in.) W \times 67 mm (2.64 in.) H \times 25 mm (0.98 in.) D (excluding protruding parts and cables)	
Weight	Approx. 400 g (14.1 oz.)	

CT6845-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	500 A AC/DC
Frequency band	DC to 100 kHz
Diameter of measurable conductors	Max. φ 50 mm (1.97 in.)

Accuracy

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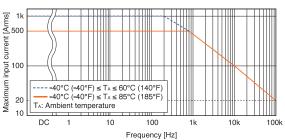
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.3% ±0.02%*	-
DC < f ≤ 100 Hz	±0.3% ±0.01%	±0.1°
$100 \text{ Hz} < f \le 500 \text{ Hz}$	±0.3% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±0.5% ±0.02%	±0.5°
1 kHz < f ≤ 5 kHz	±1.0% ±0.02%	±1.5°
5 kHz < f ≤ 10 kHz	±1.5% ±0.02%	±2.0°
10 kHz < f ≤ 20 kHz	±5.0% ±0.02%	±(0.2 × f kHz)°
20 kHz < f ≤ 50 kHz	±10% ±0.05%	±(0.2 × f kHz)°
50 kHz < f ≤ 100 kHz	±30% ±0.05%	±(0.2 × f kHz)°

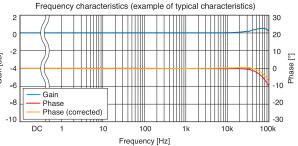
*±0.02% f.s. after adjusting the offset voltage to ±0.2 mV or less

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instrument's input resistance is 1 MQ or higher. A mplitude accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 5 Hz is the value by design. Phase accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 10 Hz is the value by design.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less

curacy	
	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.01% of reading /°C Offset voltage: ±0.005% of full scale / °C
ect of common mode	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)





Outrout up the sec	4
Output voltage	4 mV/A (= 2 V / 500 A)
Measurable conductors	Insulated conductor
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Withstand voltage	4260 V AC Withstand test current of 1 mA, 50/60 Hz, 1 min., between jaws and cable output terminal
Standards	Safety: EN 61010, EMC: EN 61326
Cable length	3 m (9.84 ft.)
Dimensions	238 mm (9.37 in.) W \times 116 mm (4.57 in.) H \times 35 mm (1.38 in.) D (excluding protruding parts and cables)
Weight	Approx. 860 g (30.3 oz.)

CT6846-05



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	1000 A AC/DC
Frequency band	DC to 20 kHz
Diameter of measurable conductors	Max. φ 50 mm (1.97 in.)

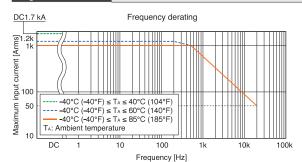
Accuracy

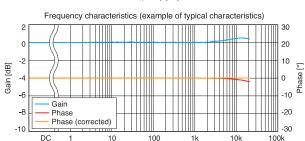
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
DC	±0.3% ±0.02%*	-
DC < f ≤ 100 Hz	±0.3% ±0.01%	±0.1°
100 Hz < f ≤ 500 Hz	±0.5% ±0.02%	±0.2°
500 Hz < f ≤ 1 kHz	±1.0% ±0.02%	±0.5°
1 kHz < f ≤ 5 kHz	±2.0% ±0.02%	±1.5°
5 kHz < f ≤ 10 kHz	±5.0% ±0.05%	±2.0°
$10 \text{ kHz} < f \le 20 \text{ kHz}$	±30% ±0.10%	±10.0°

*±0.02% f.s. after adjusting the offset voltage to ±0.2 mV or less

The values above are when the input is a sine wave, the conductor is in the center of the sensor opening, and the measurement instrument's input resistance is 1 MQ or higher. Amplitude accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 5 Hz is the value by design. Phase accuracy: defined at the rated value or less, or within the derating curve; DC <1 < 10 Hz is the value by design.

Temperature and humidity range for guaranteed accuracy	0°C to 40°C (32°F to 104°F), 80% RH or less
Effect of temperature	In ranges from -40°C to 0°C (-40°F to 32°F) and 40°C to 85°C (104°F to 185°F) Amplitude sensitivity: ±0.01% of reading /°C Offset voltage: ±0.005% of full scale / °C
Effect of common mode	0.05% f.s. or less (1000 Vrms, DC to 100 Hz)





Frequency [Hz]

Output voltage	2 mV/A (= 2 V / 1000 A)
Measurable conductors	Insulated conductor
Operating temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-40°C to 85°C (-40°F to 185°F), 80% RH or less (no condensation)
Withstand voltage	4260 V AC Withstand test current of 1 mA, 50/60 Hz, 1 min., between jaws and cable output terminal
Standards	Safety: EN 61010, EMC: EN 61326
Cable length	3 m (9.84 ft.)
Dimensions	238 mm (9.37 in.) W \times 116 mm (4.57 in.) H \times 35 mm (1.38 in.) D (excluding protruding parts and cables)
Weight	Approx. 990 g (34.9 oz.)



Product warranty period: 3 years Guaranteed accuracy period: 1 year

Rated current	20 A AC, 200 A AC (2 ranges)	
Frequency band	1 Hz to 100 kHz	
Diameter of measurable conductors	d 46 mm or less	

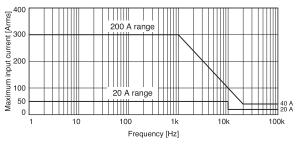
Accuracy

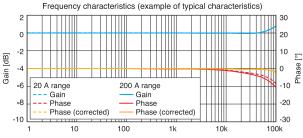
Frequency	Amplitude ±(% of reading + % of full scale)	Phase
1 Hz ≤ f < 5 Hz	±2.0% ±0.10%	-
5 Hz ≤ f < 10 Hz	±1.0% ±0.05%	±1.0°
10 Hz ≤ f < 45 Hz	±0.5% ±0.02%	±0.5°
45 Hz ≤ f ≤ 66 Hz	±0.3% ±0.01%	±0.2°
66 Hz < f ≤ 500 Hz	±0.5% ±0.02%	±0.5°
500 Hz < f ≤ 1 kHz	±0.5% ±0.02%	±1.0°
1 kHz < f ≤ 5 kHz	±1.0% ±0.05%	±2.0°
5 kHz < f ≤ 10 kHz	±2.5% ±0.10%	±3.0°
10 kHz < f ≤ 20 kHz	±5% ±0.1%	±5.0°
20 kHz < f ≤ 50 kHz	±5% ±0.1%	±15.0°
50 kHz < f ≤ 100 kHz	±30% ±0.1%	-

Accuracy is specified by the following conditions: • Less than or equal to the rated current of each current range • Within deraing range of each current range that and the current for each range and inside of derating range. The accuracy values above are for within the rated current for each range and inside of derating range. (The values are the values by design: amplitude at under 5 Hz and phase at under 10 Hz)

Temperature and humidity range for guaranteed accuracy	23°C ±5°C (73°F ±9°F), 80% RH or less
Effect of temperature	Amplitude sensitivity: ±0.03% of reading /°C

Frequency derating





Frequency [Hz]

Output voltage	20 A range: 100 mV/A (= 2 V / 20 A) 200 A range: 10 mV/A (= 2 V / 200 A)
Operating temperature and humidity range	0°C to 50°C (32°F to 122°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-10°C to 60°C (14°F to 140°F), 80% RH or less (no condensation)
Maximum rated voltage to ground	600 V AC CAT III (50/60 Hz) Anticipated transient overvoltage: 6000 V
Standards	Safety: EN 61010, EMC: EN 61326 Class A
Cable length	3 m (9.84 ft.)
Dimensions	78 mm (3.07 in) W \times 188 mm (7.40 in) H \times 35 mm (1.38 in) D (excluding protruding parts and cables)
Weight	Approx. 450 g (15.9 oz.)

CT6710

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current* (3 ranges)	30 Arms, 5 Arms, 0.5 Arms AC/DC
Frequency band	DC to 50 MHz (-3dB)
Diameter of measurable conductors	Max. φ 5 mm (0.20 in.) (insulated conductors)

*DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range

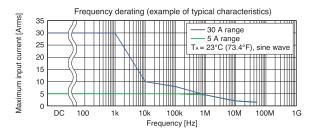
Rise time	7.0 ns or less (10% to 90%)
Output voltage	0.1 V/A (30 A range) 1 V/A (5 A range) 10 V/A (0.5 A range)
Maximum peak current	±50 A peak*' (30 A range) ±7.5 A peak (5 A range) ±0.75 A peak (0.5 A range, ≥ 10 MHz) ±0.3 A peak (0.5 A range, < 10 MHz)
Noise	75 μArms or less*2 (typical: 60 μArms)

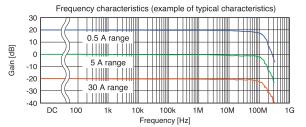
*1: Maximum 2 sec input; requires cooling time of at least 10 times longer than the time current has been input *2: Does not apply to devices to which the probe is connected; applicable in the 0.5 A range and when used with 20 MHz bandwidth instrument devices

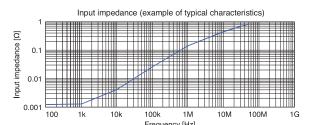
Accuracy (amplitude)

Range	Accuracy	typical
30 A	±3.0% rdg. ±1 mV	±1.0% rdg ±1 mV (≤ 10 A)
5 A	±3.0% rdg. ±1 mV	±1.0% rdg ±1 mV
0.5 A	±3.0% rdg. ±10 mV	±1.0% rdg ±10 mV

The accuracy above is valid within the following conditions: Warm-up time. 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 64 L, within maximum peak current for each range







Frequency [Hz]	
Operating temperature	0°C to 40°C (32°F to 104°F),
and humidity range	80% RH or less (no condensation)
Storage temperature	-10°C to 50°C (14°F to 122°F),
and humidity range	80% RH or less (no condensation)
Standards	Safety: EN 61010, EMC: EN 61326
Maximum rated power	7.8 VA (continuous maximum input)
Cable length	Sensor/junction box: 1500 mm (59.06 in.)
	Junction box/termination unit: 150 mm (5.91 in.)
	Power cord: 1000 mm (39.37 in.)
Dimensions	Sensor: 155 mm (6.10 in.) W × 18 mm (0.71 in.) H × 26 mm (1.02 in.) D
	Junction box: 45 mm (1.77 in.) W × 120 mm (4.72
	in.) H × 25 mm (0.98 in.) D
	Termination unit: 29 mm (1.14 in.) W \times 83 mm (3.27
	in.) H × 40 mm (1.57 in.) D
	(excluding BNC connector or protrusions)
Weight	Approx. 370 g (13.1 oz.)

CT6711

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current* (3 ranges)	30 Arms, 5 Arms, 0.5 Arms AC/DC	
Frequency band	DC to 120 MHz (-3dB)	
Diameter of measurable conductors	Max. ϕ 5 mm (0.20 in.) (insulated conductors)	
"DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range		
Disc time		

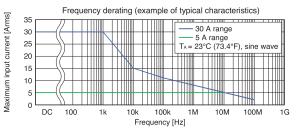
2.9 ns or less (10% to 90%)
0.1 V/A (30 A range)
1 V/A (5 A range)
10 V/A (0.5 A range)
±50 A peak*1 (30 A range)
±7.5 A peak (5 A range)
±0.75 A peak (0.5 A range, ≥ 10 MHz)
±0.3 A peak (0.5 A range, < 10 MHz)
75 μArms or less*² (typical: 60 μArms)

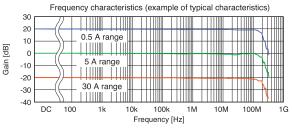
*1: Maximum 2 sec. input; requires cooling time at least 10 times longer than the time current has been input '2: Does not apply to devices to which the probe is connected; applicable in the 0.5 A range and when used with 20 MHz bandwidth instrument devices

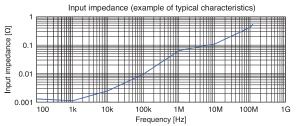
Accuracy (amplitude)

Range	Accuracy	typical
30 A	±3.0% rdg. ±1 mV	±1.0% rdg ±1 mV (≤ 10 A)
5 A	±3.0% rdg. ±1 mV	±1.0% rdg ±1 mV
0.5 A	±3.0% rdg. ±10 mV	±1.0% rdg ±10 mV

The accuracy above is valid within the following conditions: Warm-up time. 30 minutes, operating environment of 23°C± 5°C (73°F±9°F) at 80% RH or less, DC or sine wave signals of 45 to 64 Le, within maximum peak current for each range







Operating temperature	0°C to 40°C (32°F to 104°F),
and humidity range	80% RH or less (no condensation)
Storage temperature	-10°C to 50°C (14°F to 122°F),
and humidity range	80% RH or less (no condensation)
Standards	Safety: EN 61010, EMC: EN 61326
Maximum rated power	7.8 VA (continuous maximum input)
Cable length	Sensor/junction box: 1500 mm (59.06 in.)
	Junction box/termination unit: 150 mm (5.91 in.)
	Power cord: 1000 mm (39.37 in.)
Dimensions	Sensor: 155 mm (6.10 in.) W \times 18 mm (0.71 in.) H \times
	26 mm (1.02 in.) D
	Junction box: 45 mm (1.77 in.) W × 120 mm (4.72
	in.) H × 25 mm (0.98 in.) D
	Termination unit: 29 mm (1.14 in.) W × 83 mm (3.27
	in.) H × 40 mm (1.57 in.) D
	(excluding BNC connector or protrusions)
Weight	Approx. 370 g (13.1 oz.)

CT6700

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current*	5 Arms
Frequency band	DC to 50 MHz (-3dB)
Diameter of measurable conductors	Max. ϕ 5 mm (0.20 in.) (insulated conductors)
*DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range	

Rise time	7.0 ns or less (10% to 90%)
Output voltage	1 V/A
Maximum peak current	±7.5 A peak (non-continuous)
Noise	75 μArms or less* (typical: 60 μA rms)

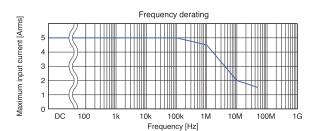
*Does not apply to devices to which the probe is connected; applicable when used with 30 MHz bandwidth instrument devices

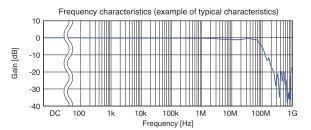
Accuracy (amplitude)

10

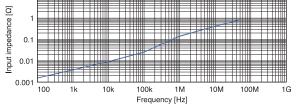
Accuracy	typical
±3.0% rdg. ±1 mV	±1.0% rdg. ±1 mV

The accuracy above is valid within the following conditions: Warm-up time 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 66 H.2, 0 Arms to 5 Arms





Input impedance (example of typical characteristics)



Operating temperature and humidity range	0°C to 40°C (32°F to 104°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-10°C to 50°C (14°F to 122°F), 80% RH or less (no condensation)
Standards	Safety: EN 61010, EMC: EN 61326
Maximum rated power	3.2 VA (continuous maximum input)
Cable length	Sensor cable: 1500 mm (59.06 in.) Power cord: 1000 mm (39.37 in.)
Dimensions	Sensor: 155 mm (6.10 in.) W × 18 mm (0.71 in.) H × 26 mm (1.02 in.) D Termination unit: 29 mm (1.14 in.) W × 83 mm (3.27 in.) H × 40 mm (1.57 in.) D (excluding BNC connector or protrusions)
Weight	Approx. 250 g (8.8 oz.)

CT6701

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current*	5 Arms
Frequency band	DC to 120 MHz (-3dB)
Diameter of measurable conductors	Max. ϕ 5 mm (0.20 in.) (insulated conductors)
*DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range	

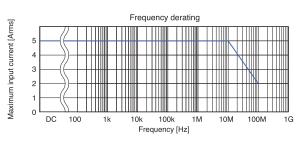
Rise time	2.9 ns or less (10% to 90%)	
Output voltage	1 V/A	
Maximum peak current	±7.5 A peak (non-continuous)	
Noise 75 μArms or less* (typical: 60 μA rms)		
*Deep not apply to devices to which the probe is connected:		

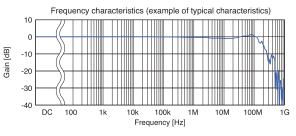
"Does not apply to devices to which the probe is connected; applicable when used with 30 MHz bandwidth instrument devices

Accuracy (amplitude)

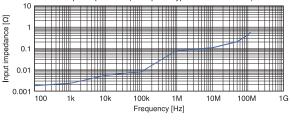
Accuracy	typical
±3.0% rdg. ±1 mV	±1.0% rdg. ±1 mV

The accuracy above is valid within the following conditions: Warm-up time: 30 minutes, operating environment of $23^{\circ}C_{\pm} 5^{\circ}C$ (73°F $\pm 9^{\circ}F$) at 80% RH or less, DC or sine wave signals of 45 to 66 Hz. 0 Arms to 5 Arms





Input impedance (example of typical characteristics)



Operating temperature and humidity range	0°C to 40°C (32°F to 104°F), 80% RH or less (no condensation)
Storage temperature and humidity range	-10°C to 50°C (14°F to 122°F), 80% RH or less (no condensation)
Standards	Safety: EN 61010, EMC: EN 61326
Maximum rated power	3.2 VA (continuous maximum input)
Cable length	Sensor cable: 1500 mm (59.06 in.) Power cord: 1000 mm (39.37 in.)
Dimensions	$ \begin{array}{l} \mbox{Sensor: } 155 \mbox{ mm} (6.10 \mbox{ in.}) \ W \times 18 \ \mbox{mm} (0.71 \mbox{ in.}) \ \ H \times 26 \ \ \mbox{mm} (1.02 \mbox{ in.}) \ \ D \\ \mbox{Termination unit: } 29 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
Weight	Approx. 250 g (8.8 oz.)

3273-50

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current*	30 Arms
Frequency band	DC to 50 MHz (-3dB)
Diameter of measurable conductors	Max. ϕ 5 mm (0.20 in.) (insulated conductors)
*Refer to the graph for frequency derating characteristics.	

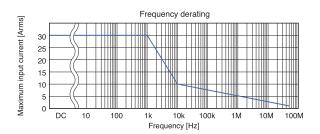
Rise time	7.0 ns or less
Output voltage	0.1 V/A
Maximum peak current	50 A peak (non-continuous)
Noise	2.5 mArms or less*

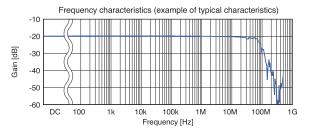
*Does not apply to devices to which the probe is connected; applicable when used with 20 MHz bandwidth instrument devices

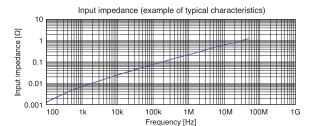
Accuracy (amplitude)

to 30 Arms	to 50 A peak
±1.0% rdg. ±1 mV	±2.0% rdg.

The accuracy above is valid within the following conditions: Warm-up time: 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 66 Hz, 0 Arms to 5 Arms







0°C to 40°C (32°F to 104°F), Operating temperature and humidity range 80% RH or less (no condensation) -10°C to 50°C (14°F to 122°F), Storage temperature 80% RH or less (no condensation) and humidity range Safety: EN 61010, EMC: EN 61326 Standards Maximum rated pow 5.6 VA Cable length Sensor cable: 1500 mm (59.06 in.) Power cord: 1000 mm (39.37 in.) Sensor: 175 mm (6.89 in.) W × 18 mm (0.71 in.) H × Dimensions 40 mm (1.57 in.) D Termination unit: 27 mm (1.06 in.) W × 55 mm (2.17 in.) H × 18 mm (0.71 in.) D (excluding BNC connector or protrusions) Approx. 230 g (8.1 oz) Weight

3276

Product warranty period: 1 year

Guaranteed accuracy period: 1 year



Rated current*	30 Arms
Frequency band	DC to 100 MHz (-3dB)
Diameter of measurable conductors	Max. ϕ 5 mm (0.20 in.) (insulated conductors)

*Refer to the graph for frequency derating characteristics

Rise time	3.5 ns or less
Output voltage	0.1 V/A
Maximum peak current	50 A peak (non-continuous)
Noise	2.5 mArms or less*

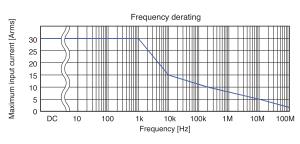
*Does not apply to devices to which the probe is connected; applicable when used with 20 MHz bandwidth instrument devices

Accuracy (amplitude)

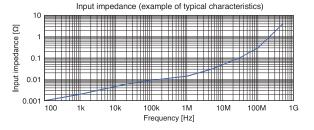
0

·····)	
to 30 Arms	to 50 A peak
±1.0% rdg. ±1 mV	±2.0% rdg.

The accuracy above is valid within the following conditions: Warm-up time: 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 66 Hz. 0 Arms to 5 Arms



Frequency characteristics (example of typical characteristics) -10 -20 Gain [dB] -30 -40 -50 -60 DC 100 100k 10M 100M 1k 10k 1M 1G Frequency [Hz]



Operating temperature	0°C to 40°C (32°F to 104°F),
and humidity range	80% RH or less (no condensation)
Storage temperature	-10°C to 50°C (14°F to 122°F),
and humidity range	80% RH or less (no condensation)
Standards	Safety: EN 61010, EMC: EN 61326
Maximum rated power	5.3 VA
Cable length	Sensor cable: 1500 mm (59.06 in.)
	Power cord: 1000 mm (39.37 in.)
Dimensions	Sensor: 175 mm (6.89 in.) W × 18 mm (0.71 in.) H ×
	40 mm (1.57 in.) D
	Termination unit: 27 mm (1.06 in.) W × 55 mm (2.17
	in.) H × 18 mm (0.71 in.) D
	(excluding BNC connector or protrusions)
Weight	Approx. 240 g (8.5 oz)



Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current*	150 Arms
Frequency band	DC to 10 MHz (-3dB)
Diameter of measurable conductors	Max. ϕ 20 mm (0.79 in)(insulated conductors)

*The accuracy above is valid within the following conditions: DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range

Rise time	35 ns or less
Output voltage	0.01 V/A
Maximum peak current	300 A peak (non-continuous)*1
Noise	25 mArms or less*2

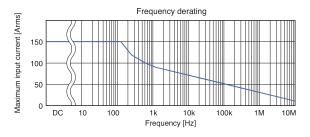
 $^*1:$ 500 Apeak with pulse width \leq 30 μs $^*2:$ Does not apply to devices to which the probe is connected;

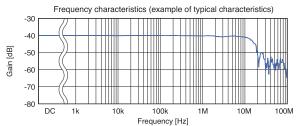
when used with a 20 MHz bandwidth instrument devices

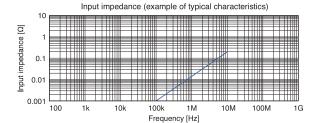
Accuracy (amplitude)

to 150 A	to 300 A peak
±1.0% rdg. ±1 mV	±2.0% rdg.

The accuracy above is valid within the following conditions: Warm-up time: 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 66 Hz







Operating temperature and humidity range 0°C to 40°C (32°F to 104°F), 80% RH or less (no condensation) Storage temperature and humidity range -10°C to 50°C (14°F to 122°F), and humidity range 80% RH or less (no condensation) Standards Safety: EN 61010, EMC: EN 61326 Maximum rated power 5.5 VA (continuous maximum input) Cable length Sensor cable: 2000 mm (78.74 in.)		
Storage temperature and humidity range -10°C to 50°C (14°F to 122°F), 80% RH or less (no condensation) Standards Safety: EN 61010, EMC: EN 61326 Maximum rated power 5.5 VA (continuous maximum input) Cable length Sensor cable: 2000 mm (78.74 in.)	Operating temperature	0°C to 40°C (32°F to 104°F),
and humidity range 80% RH or less (no condensation) Standards Safety: EN 61010, EMC: EN 61326 Maximum rated power 5.5 VA (continuous maximum input) Cable length Sensor cable: 2000 mm (78.74 in.)	and humidity range	80% RH or less (no condensation)
Standards Safety: EN 61010, EMC: EN 61326 Maximum rated power 5.5 VA (continuous maximum input) Cable length Sensor cable: 2000 mm (78.74 in.)	Storage temperature	-10°C to 50°C (14°F to 122°F),
Maximum rated power 5.5 VA (continuous maximum input) Cable length Sensor cable: 2000 mm (78.74 in.)	and humidity range	80% RH or less (no condensation)
Cable length Sensor cable: 2000 mm (78.74 in.)	Standards	Safety: EN 61010, EMC: EN 61326
	Maximum rated power	5.5 VA (continuous maximum input)
	Cable length	Sensor cable: 2000 mm (78.74 in.)
Power cord: 1000 mm (39.37 in.)		Power cord: 1000 mm (39.37 in.)
Dimensions Sensor: 176 mm (6.93 in.) W × 69 mm (2.72 in.) H	Dimensions	Sensor: 176 mm (6.93 in.) W × 69 mm (2.72 in.) H ×
27 mm (1.06 in.) D		27 mm (1.06 in.) D
Termination unit: 27 mm (1.06 in.) W × 55 mm (2.1		Termination unit: 27 mm (1.06 in.) W × 55 mm (2.17
in.) H × 18 mm (0.71 in.) D		in.) H × 18 mm (0.71 in.) D
(excluding BNC connector or protrusions)		(excluding BNC connector or protrusions)
Weight Approx. 500 g (17.6 oz)	Weight	Approx. 500 g (17.6 oz)

3275

Product warranty period: 1 year Guaranteed accuracy period: 1 year



Rated current*	500 Arms
Frequency band	DC to 2 MHz (-3dB)
Diameter of measurable conductors Max. ϕ 20 mm (0.79 in)(insulated conductors	
*The accuracy above is valid within the following conditions:	

DC or sine wave signals of 45 to 66 Hz, within maximum peak current for each range

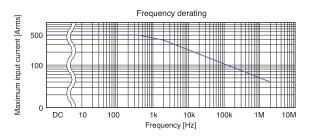
5	
Rise time	175 ns or less
Output voltage	0.01 V/A
Maximum peak current	700 A peak (non-continuous)
Noise	25 mArms or less*

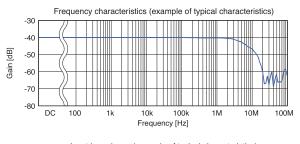
*Does not apply to devices to which the probe is connected; when used with a 20 MHz bandwidth instrument devices

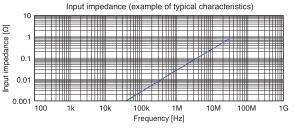
Accuracy (amplitude)

to 500 A	to 700 A peak
±1.0% rdg. ±5 mV	±2.0% rdg.

The accuracy above is valid within the following conditions: Warm-up time: 30 minutes, operating environment of 23°C± 5°C (73°F ±9°F) at 80% RH or less, DC or sine wave signals of 45 to 66 Hz







0°C to 40°C (32°F to 104°F),
80% RH or less (no condensation)
-10°C to 50°C (14°F to 122°F),
80% RH or less (no condensation)
Safety: EN 61010, EMC: EN 61326
7.2 VA (continuous maximum input)
Sensor cable: 2000 mm (78.74 in.)
Power cord: 1000 mm (39.37 in.)
Sensor: 176 mm (6.93 in.) W × 69 mm (2.72 in.) H ×
27 mm (1.06 in.) D
Termination unit: 27 mm (1.06 in.) W × 55 mm (2.17
in.) H × 18 mm (0.71 in.) D
(excluding BNC connector or protrusions)
Approx. 520 g (18.3 oz)

High-accuracy measurement (ME15	W)	
Pass-through types	Rated current	Frequency range
CT6862-05	50 A	DC to 1 MHz
CT6872	50 A	DC to 10 MHz
CT6872-01	50 A	DC to 10 MHz
CT6863-05	200 A	DC to 500 kHz
CT6873	200 A	DC to 10 MHz
CT6873-01	200 A	DC to 10 MHz
CT6875A	500 A	DC to 2 MHz
CT6875A-1	500 A	DC to 1.5 MHz
CT6904A	500 A	DC to 4 MHz
CT6904A-1	500 A	DC to 2 MHz
CT6904A-2	800 A	DC to 4 MHz
CT6904A-3	800 A	DC to 2 MHz
CT6876A	1000 A	DC to 1.5 MHz
CT6876A-1	1000 A	DC to 1.2 MHz
CT6877A	2000 A	DC to 1 MHz
CT6877A-1	2000 A	DC to 1 MHz
Clamp types	Rated current	Frequency range
9272-05	20 A, 200 A	1 Hz to 100 kHz
CT6841-05	20 A	DC to 1 MHz
CT6843-05	200 A	DC to 500 kHz
CT6844-05	500 A	DC to 200 kHz
CT6845-05	500 A	DC to 100 kHz
CT6846-05	1000 A	DC to 20 kHz
Direct-wired types	Rated current	Frequency range
PW9100A-3	50 A	DC to 3.5 MHz
PW9100A-4	50 A	DC to 3.5 MHz
Connection options		
CT9555	1 ch, external power so output function	upply, with waveform
CT9556	1 ch, external power so with waveform/RMS ou	
CT9557	4 ch, external power so waveform/aggregated- RMS output functions	upply, includes waveform/aggregated-
L9217	Isolated BNC terminals	3
9165	Metallic BNC terminals	·
СТ9904	Used with CT9557 add	led waveform output
CT9901	Converts ME15W term	inal to PL23 terminal
CT9902	Used to extend cable I	ength

Waveform observation (BNC)		
High-sensitivity observation	Rated current	Frequency range
CT6710	0.5 A, 5 A, 30 A	DC to 50 MHz
CT6711	0.5 A, 5 A, 30 A	DC to 120 MHz
Observation of minuscule currents	Rated current	Frequency range
CT6700	5 A	DC to 50 MHz
CT6701	5 A	DC to 120 MHz
Observation of large currents	Rated current	Frequency range
Observation of large currents 3273-50	Rated current 30 A	
Ŭ		range
3273-50	30 A	range DC to 50 MHz
3273-50 3276	30 A 30 A	range DC to 50 MHz DC to 100 MHz
3273-50 3276 3274	30 A 30 A 150 A	rangeDC to 50 MHzDC to 100 MHzDC to 100 MHz
3273-50 3276 3274 3275	30 A 30 A 150 A 500 A	rangeDC to 50 MHzDC to 100 MHzDC to 100 MHz

Grid power quality control (PL14)			
Measurement of load current	Rated current	Frequency range	
CT7126	60 A	40 Hz to 2 kHz	
CT7131	100 A	40 Hz to 2 kHz	
CT7731	100 A	DC to 5 kHz	
CT7631	100 A	DC to 10 kHz	
CT7736	600 A	DC to 5 kHz	
CT7636	600 A	DC to 10 kHz	
CT7136	600 A	40 Hz to 5 kHz	
CT7742	2000 A	DC to 5 kHz	
CT7642	2000 A	DC to 10 kHz	
Measurement of large currents	Rated current	Frequency range	
CT7044	6000 A	10 Hz to 50 kHz	
CT7045	6000 A	10 Hz to 50 kHz	
CT7046	6000 A	10 Hz to 50 kHz	
Measurement of leakage current	Rated current	Frequency range	
CT7116	6 A	40 Hz to 5 kHz	
Connection options			
СТ9920	Converts PL14 terminal to ME15W terminal		
L9095	Connects CM7290, CM7291 and instrument		
L0220-01	Extends a cable with a PL14 terminal, 2 m (6.56 ft.)		
L0220-02	Extends a cable with a PL14 terminal, 5 m (16.40 ft.)		
L0220-03	Extends a cable with a PL14 terminal, 10 m (32.81 ft.)		
L0220-04	Extends a cable with a PL14 terminal, 20 m (65.62 ft.)		
L0220-05	Extends a cable with a PL14 terminal, 30 m (98.43 ft.)		
L0220-06	Extends a cable with a PL14 terminal, 50 m (164.04 ft.)		
L0220-07	Extends a cable with a PL14	terminal, 100 m (328.08 ft.)	

Grid power quality control (BNC)			
Measurement of load current	Rated current	Frequency range	
9694	5 A	40 Hz to 5 kHz	
9695-02	50 A	40 Hz to 5 kHz	
9660	100 A	40 Hz to 5 kHz	
9695-03	100 A	40 Hz to 5 kHz	
9010-50	10 A - 500 A*1	40 Hz to 1 kHz	
9018-50	10 A - 500 A*1	40 Hz to 3 kHz	
9132-50	20 A - 1000 A*2	40 Hz to 1 kHz	
9661	500 A	40 Hz to 5 kHz	
9669	500 A	40 Hz to 5 kHz	
Measurement of large currents	Rated current	Frequency range	
CT9667-01	500 A, 5000 A	10 Hz to 20 kHz	
CT9667-02	500 A, 5000 A	10 Hz to 20 kHz	
CT9667-03	500 A, 5000 A	10 Hz to 20 kHz	
Measurement of leakage current	Rated current	Frequency range	
9657-10	10 A	40 Hz to 5 kHz	
9675	10 A	40 Hz to 5 kHz	
Connection options			
9219	Converts crimped terminal to BNC terminal		
L9910	Converts BNC terminal to PL14 terminal		
9704	Converts BNC terminal to banana terminal		

*1: Can switch between ranges (10, 20, 50, 100, 200, 500 A AC) *2: Can switch between ranges (20, 50, 100, 200, 500, 1000 A AC)

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HIOKI E.E. CORPORATION

HEADQUARTERS

81 Koizumi, Ueda, Nagano 386-1192 Japan https://www.hioki.com/

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