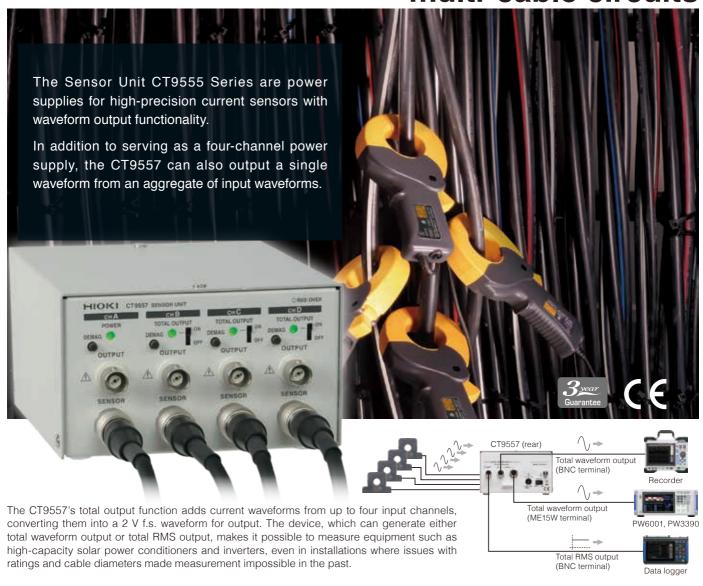
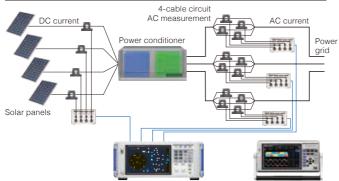


Aggregate and measure large currents in multi-cable circuits



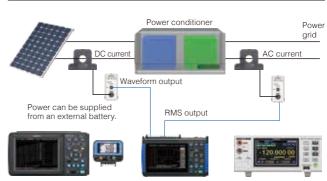
Measuring large currents and multi-cable circuits with sum functionality



Power Analyzer PW6001, PW3390, etc.

Once a current sensor has been attached to each branch cable, the CT9557 adds the sensor signals together to create a total signal. Since the device can treat multiple sensors as a single sensor, as illustrated in the figure above, the current can be

Using a data logger to perform high-precision current measurement



Data logger, high-precision voltmeter, etc.

In this setup, waveform output is monitored on the DC current side, and RMS output is monitored on the AC current side of the circuit. Even a logger that lacks RMS conversion functionality can be used to measure AC current. A wireless logger can also be used.



The CT9555 series with CT9900 can also be used as a replacement for Hioki's legacy 9555-10

Compatible products

AC/DC CURRENT SENSOR (pass-through type)

CT6862-05	50 A AC/DC	ф24 mm	DC to 1 MHz
CT6863-05	200 A AC/DC	φ24 mm	DC to 500 kHz
CT6904	500 A AC/DC	ф32 mm	DC to 4 MHz
CT6875	500 A AC/DC	ф36 mm	DC to 2 MHz
CT6876	1000 A AC/DC	ф36 mm	DC to 1.5 MHz
CT6877	2000 A AC/DC	ф80 mm	DC to 1 MHz

AC/DC CURRENT PROBE (clamp-on type)

CT6841-05	20 A AC/DC	ф20 mm	DC to 1 MHz	
CT6843-05	200 A AC/DC	ф20 mm	DC to 500 kHz	
CT6844-05	500 A AC/DC	ф20 mm	DC to 200 kHz	
CT6845-05	500 A AC/DC	φ50 mm	DC to 100 kHz	
CT6846-05	1000 A AC/DC	φ50 mm	DC to 20 kHz	

AC/DC CURRENT BOX (direct-connect type)

PW9100-03, -04 50 A AC/DC Terminal block (M6 screws) DC to 3.5 MHz

Specifications

(Accuracy quaranteed for 1 year, Post-adjustment accuracy quaranteed for 1 year)

Model	SENSOR UNIT CT9557		SENSOR UNIT CT9556		SENSOR UNIT CT9555
Model No. (Order Code)	CT9557		CT9556		CT9555
	Waveform output — (BNC terminal)	Total RMS output (BNC terminal) Total waveform output (BNC terminal)	Waveform output (BNC terminal)	RMS output (BNC terminal)	Waveform output (BNC terminal)
Appearance	Front 2 2 2 2	Rear	Front	0	Front
	Sensor inputs (Hioki ME15W female terminal)	Total waveform output (Hioki ME15W female terminal)	Sensor inputs — (Hioki ME15W female	terminal)	Sensor inputs — (Hioki ME15W female terminal)
Connectable current sensors	Current sensors with a Hioki ME15W (male) output connector (CT686x-05, CT687x,CT684x-05, etc.)				
Output voltage	Waveform output/ total waveform output: 2 V f.s. Total RMS output: 2 V DC f.s.		Waveform output: 2 V f.s. RMS output: 2 V DC f.s.		Waveform output: 2 V f.s.
Output resistance	50 Ω				
Operating temperature range	-10 °C to 50 °C (14 °F to 122 °F)				
Product warranty period	3 year				
Power supply	AC Adapter Z1002 (100 to 240 V AC, 50/60 Hz, maximum rated power when used with sensors: 155 VA) External power supply (10 to 30 V DC; maximum rated power: 60 VA)		AC Adapter Z1008 (100 to 240 V AC, 50/60 Hz, maximum rated power when used with sensors: 45 VA) External power supply (10 to 30 V DC; maximum rated power: 15 VA)		
Response time	0.8 s for both RMS output and total RMS output (when the input value changes as follows: 0% to 90%, 100% to 10%)		%)		Not defined
Dimensions			33 mm (1.30 in)W \times 67 mm (2.64 in)H \times 132 mm (5.20 in)D mm (excluding protruding parts)		
Mass	420 g (14.8 oz)		200 g (7.1 oz)		
Accessories	AC Adapter Z1002, power cord, user manual		AC Adapter Z1008, power cord, user manual		

Total waveform output accuracy (CT9557)

Frequency		су	Amplitude accuracy	Phase accuracy	
	DC		±0.06 %rdg. ±0.03 %f.s.	Not defined	
	$DC \le f \le$	1 kHz	±0.06 %rdg. ±0.03 %f.s.	±0.1 deg.	
	1 kHz < f≤	10 kHz	±0.10 %rdg. ±0.03 %f.s.	±1.0 deg.	
Ξ	10 kHz < f ≤	100 kHz	±0.20 %rdg. ±0.10 %f.s.		
Ξ	100 kHz < f≤	300 kHz	±1.0 %rdg. ±0.20 %f.s.	±(0.1×f kHz) deg.	
	300 kHz < f≤	700 kHz	±5.0 %rdg. ±0.20 %f.s.		
	700 kHz < f≤	1 MHz	±10.0 %rdg. ±0.50 %f.s.		

Total RMS output accuracy (CT9557), RMS output accuracy (CT9556)

Frequency	Accuracy
DC	±0.2 %rdg. ±0.1 %f.s.
5 Hz < f ≤ 10 Hz	±0.3 %rdg. ±0.5 %f.s.
10 Hz < f < 45 Hz	±0.2 %rdg. ±0.2 %f.s.
45 Hz ≤ f ≤ 66 Hz	±0.2 %rdg. ±0.1 %f.s.
66 Hz < f≤ 10 kHz	±0.2 %rdg. ±0.2 %f.s.
10 kHz < f≤ 100 kHz	±0.3 %rdg. ±0.5 %f.s.
100 kHz < f ≤ 300 kHz	±5.0 %rdg. ±0.5 %f.s.
300 kHz < f ≤ 700 kHz	±7.0 %rdg. ±0.5 %f.s.
700 kHz < f < 1 MHz	±10.0 %rda, ±1.0 %f.s.

Options



CONNECTION CABLE

CT9904
HIOKI ME15W (12 pin) terminal to
ME15W (12 pin) terminal, 1 m (3.28 ft)
length (for connecting CT9557 total
output to PW6001 or PW3390 only)



CONNECTION CORD L9217 Cord has insulated BNC

connectors at both ends. 1.6 m (5.25 ft) length

DISTRIBUTED BY



CONNECTION CORD

9165 Cord has metallic BNC connectors at both ends. use at metallic terminal, 1.5 m (4.92 ft) length



CONVERSION CABLE

CT9901 HIOKI ME15W (12 pin) to HIOKI PL23 (10 pin) connector



CONVERSION CABLE

CT9900 HIOKI PL23 (10 pin) to HIOKI ME15W (12 pin) connector

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