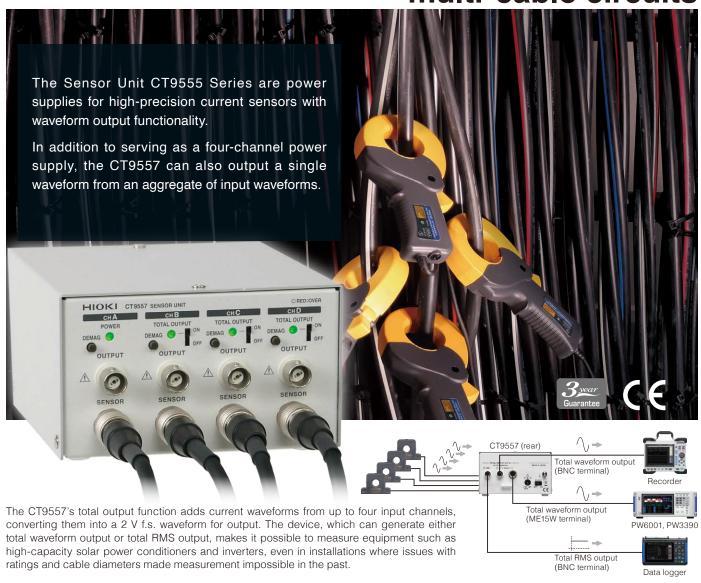
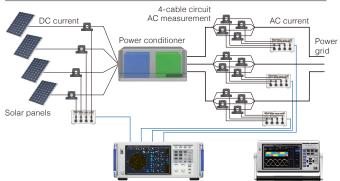


Aggregate and measure large currents in multi-cable circuits



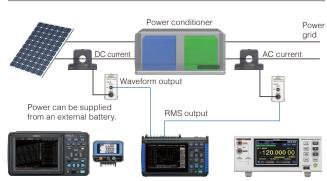
Measuring large currents and multi-cable circuits with sum functionality



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 measured using a single power meter.

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. If a high-precision voltmeter is used, both the AC and DC currents can be measured with a high degree of precision.



Compatible products

AC/DC CURRENT SENSOR (pass-through type) AC/DC CURRENT PROBE (clamp-on type) AC/DC CURRENT BOX (direct-connect type)

For details on supported products, please refer to the following product pages.

CT9555	CT9556	CT9557

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

Specifications

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

оросписаноно	(Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year					
Model	SENSOR UNIT CT9557		SENSOR UNIT CT9556		SENSOR UNIT CT9555	
Model No. (Order Code)	CT9557		CT9556		CT9555	
Appearance	Waveform output ——————————————————————————————————	Total RMS output (BNC terminal) Total waveform output (BNC terminal)	Waveform output (BNC terminal)	RMS output (BNC terminal)	Waveform output (BNC terminal)	
	Front 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	O O O Rear	Front		Front	
	Sensor inputs (Hioki ME15W female terminal)	Total waveform output (Hioki ME15W female terminal)	Sensor inputs — (Hioki ME15W female to	erminal)	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 (4CH), total waveform output and total RMS output can be used simultaneously		Waveform output: 2 V f.s. RMS output: 2 V DC f.s. • Waveform output and RMS output can be used simultaneously		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 rated power when used with see External power supply (10 to 30 V DC; maximum rated power: 60 VA)		n used with sens upply	sors: 45 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	116 mm (4.57 in)W \times 67 mm (2.64 in)H \times 132 mm (5.20 in)D mm (excluding protruding parts)		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, u	AC Adapter Z1008	, power cord, us	ser manual		

Total waveform output accuracy (CT9557)

Frequen	су	Amplitude accuracy	Phase accuracy	
DC		±0.06 %rdg. ±0.03 %f.s.	Not defined	
DC ≤f≤	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.	
10 kHz < f ≤	100 kHz	±0.20 %rdg. ±0.10 %f.s.		
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 %rdg. ±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



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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