

HIOKI



AC FLEXIBLE CURRENT SENSOR CT9667

Clamp sensor



Introducing 2 new variations with a thinner cable!



Easy to loop around, even in confined spaces

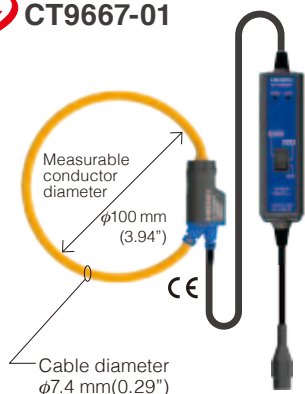


Use with a power quality analyzer or power meter

Thinner cable type is easy to use in confined spaces and with complex wiring

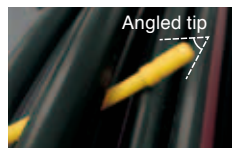
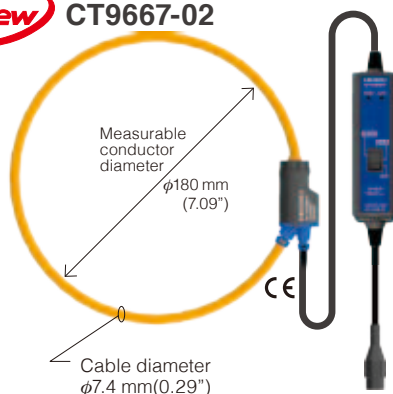
Thin cable type

New AC FLEXIBLE CURRENT SENSOR
CT9667-01



In confined spaces

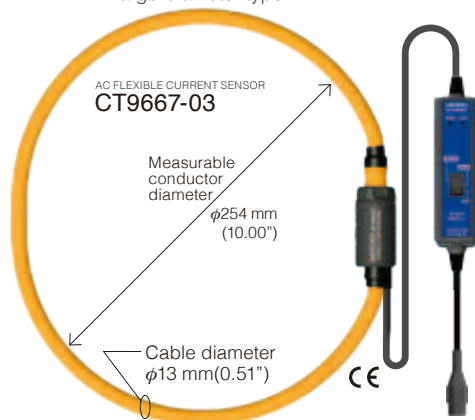
New AC FLEXIBLE CURRENT SENSOR
CT9667-02



Shaped so that it's easy to route through complex wiring

Large-diameter type

AC FLEXIBLE CURRENT SENSOR
CT9667-03



For large-diameter applications such as busbars

Designed for use with power quality analyzers and clamp-on power meters

Use with the following products.

Power quality analyzers



PW3198



3197

Clamp-on power meters



PW3360



PW3365



3169

Product specifications

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

Model	CT9667-01	CT9667-02	CT9667-03
Measurable conductor diameter	$\phi 100 \text{ mm}$ (3.94")	$\phi 180 \text{ mm}$ (7.09")	$\phi 254 \text{ mm}$ (10.00")
Rated input current	5000 A AC/ 500 A AC		
Maximum allowable input	Continuous 10000 A (at 45 to 66 Hz, requires derating at frequency)		
Operating temperature range	-25 to 65°C (-13 to 149°F)		-10 to 50°C (14 to 122°F)
Dust and water resistance	IP54 (Flexible loop only)		-
Output voltage	5000 A range: 500 mV/f.s. AC (0.1 mV/A AC) 500 A range: 500 mV/f.s. AC (1 mV/A AC)		
Amplitude accuracy	$\pm 2\% \text{ rdg. } \pm 0.3\% \text{ f.s.}$ (45 to 66 Hz, with conductor positioned at center of flexible loop)		
Phase accuracy	Within $\pm 1^\circ$ (45 to 66 Hz)		
Frequency bandwidth	10 Hz to 20 kHz (within $\pm 3 \text{ dB}$)		
Maximum rated voltage to earth	1000 V AC (measurement category III), 600 V AC (measurement category IV)		
Power supply	LR6 (AA) alkaline batteries x2; continuous operating time: 7 days; rated output: 35 mVA AC ADAPTER 9445-02 (Universal 100 to 240VAC, 9V/1A output/for UL type); rated output: 0.2 VA AC ADAPTER 9445-03 (universal 100 to 240VAC, 9V/1A output/for EU type); rated output: 0.2 VA External DC power supply (5 to 15 V DC); rated output: 0.2 VA		
Dimensions	Flexible loop cable diameter: $\phi 7.4 \text{ mm}$ (0.29") Cable length: Between flexible loop and battery box: 2 m (6.56 ft), Output cable: 1 m (3.28 ft) Battery box: 35 mm (1.38 in)W x 120.5 mm (4.74 in)H x 34 mm (1.34 in)D		Flexible loop cable diameter: $\phi 13 \text{ mm}$ (0.51")
Mass (Including batteries)	280 g (9.9 oz)		470 g (16.6 oz)
Accessories	LR6 (AA) alkaline batteries x2, Instruction manual x1		



Connection lock mechanism



Range switch

Options



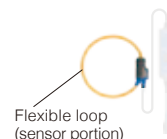
AC ADAPTER 9445-02
(universal 100 to 240VAC, 9V/1A output/for UL type)



AC ADAPTER 9445-03
(universal 100 to 240VAC, 9V/1A output/for EU type)



CONVERSION ADAPTER 9704
Receiving end: Female BNC
Output end: Male banana-plug



Flexible loop (sensor portion)

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