Clamp Sensors (High-precision sensors to view waveforms or to use with power meters -for AC/DC, or AC only-)

CLAMP ON SENSOR 9272-10



OVERVIEW | OPTION

High-precision sensors to view waveforms or to use with power meters (for AC only)

The 9270/9271/9272-10 are wide frequency range clamp-on sensors, for use with HIOKI POWER HiTESTERs. Used together with the SENSOR UNIT 9555-10, these allow monitoring of current waveform, and connection to a waveform recorder or oscillograph.

Basic specifications

Rated current	20 A AC, or 200 A AC (switched selectable, 400 A for 10 seconds)
Frequency band width	5 Hz to 10 kHz (±2.5 % f.s.)
Accuracy (at 45 to 66 Hz)	±0.5 % rdg. ±0.05 % f.s., phase ±0.2 °
Output rate (with the 9555-10)	2 V/rated current range (waveform output, with the 9555-10)
Max. circuit voltage	600 V AC rms (insulated wire), ***Note:***The core, shield case, and electrical circuits are not insulated.
Core jaw dia.	Ø46 mm(1.81 in), or 50 mm(1.97 in) × 20 mm(0.79 in) busbar
Power supply	SENSOR UNIT 9555-10 (required)
Dimensions, mass	62 mm(2.44 in)W × 174 mm(6.85 in)H × 33 mm(1.30 in)D, 420 g (14.8 oz), **cord length:** 3 m(9.84 ft)
Accessories	CARRYING CASE 9355 (1)

OVERVIEW | OPTION

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Clamp Sensors (High-precision sensors to view waveforms or to use with power meters -for AC/DC, or AC only-)

UNIVERSAL CLAMP 9277



OVERVIEW | OPTION

High-precision sensors to view waveforms or to use with power meters (for AC/DC)

- 9277/9278/9279: Clamp on sensors
- Wide frequency ranges including DC
- Use together with the SENSOR UNIT 9555-10
- These allow current waveform monitoring (with a waveform recorder or oscillograph)

Basic specifications

Rated current	20 A AC/DC (continuous 50 A)
Frequency band width	DC to 100 kHz (±5 % f.s.)
Accuracy (at 45 to 66 Hz)	±0.5 % rdg. ±0.05 % f.s., phase ±0.2 °
Output rate (with the 9555)	2 V/rated current range (waveform output, with the 9555)
Max. circuit voltage	600 V peak (insulated wire), ***Note:***The core, shield case, and electrical circuits are not insulated.
Core jaw dia.	Ø20 mm(0.79 in)
Power supply	SENSOR UNIT 9555-10 (required)
Dimensions, mass	176 mm(6.93 in)W × 63 mm(2.48 in)H × 34 mm(1.34 in)D, 430 g (15.2 oz), **cord length:** 3 m(9.84 ft)
Accessories	CARRYING CASE 9375 (1)

OVERVIEW | OPTION

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Clamp Sensors (High-precision sensors to view waveforms or to use with power meters -for AC/DC, or AC only-)

UNIVERSAL CLAMP 9278



OVERVIEW | OPTION

High-precision sensors to view waveforms or to use with power meters (for AC/DC)

- 9277/9278/9279: Clamp on sensors
- Wide frequency ranges including DC
- Use together with the SENSOR UNIT 9555-10
- These allow current waveform monitoring (with a waveform recorder or oscillograph)

Basic specifications

Rated current	200 A AC/DC (continuous 350 A)
Frequency band width	DC to 100 kHz (±5 % f.s.)
Accuracy (at 45 to 66 Hz)	±0.5 % rdg. ±0.05 % f.s., phase ±0.2 °
Output rate (with the 9555-10)	2 V/rated current range (waveform output, with the 9555-10)
Max. circuit voltage	600 V peak (insulated wire), ***Note:***The core, shield case, and electrical circuits are not insulated.
Core jaw dia.	Ø20 mm(0.79 in)
Power supply	SENSOR UNIT 9555-10 (required)
Dimensions, mass	176 mm(6.93 in)W × 63 mm(2.48 in)H × 34 mm(1.34 in)D, 430 g (15.2 oz), **cord length:** 3 m(9.84 ft)
Accessories	CARRYING CASE 9375 (1)

OVERVIEW | OPTION

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Clamp Sensors (High-precision sensors to view waveforms or to use with power meters -for AC/DC, or AC only-)

AC/DC CURRENT SENSOR 9709

CE



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High-precision sensors to view waveforms or to use with power meters (for AC/DC)

- Super high precision: ±0.05% rdg. ±0.01% f.s.
- Excellent characteristics: Conductor position/external magnetic field/magnetization effect
- CAT III 1000 V Safety
- Convenient voltage output design

Basic specifications

Rated current	500A AC/DC (continuous 700A)
Frequency band width	DC to 100 kHz
Accuracy (at 45 to 66 Hz)	±0.05 % rdg. ±0.01 % f.s., phase ±0.2 °
Output rate (with the 9555)	2 V/rated current range (waveform output, with the 9555)
Max. circuit voltage	1000 V AC/DC, Note:The core, shield case, and electrical circuits are not insulated.
Core jaw dia.	Ø 36 mm(1.42 in)
Power supply	SENSOR UNIT 9555 (required)
Dimensions, mass	160 mm(6.30 in)W × 112 mm(4.41 in)H × 50 mm(1.97 in)D, 850 g (30.0 oz), cord length: 3 m(9.84 ft)

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Clamp Sensors (High-precision sensors to view waveforms or to use with power meters -for AC/DC, or AC only-)

SENSOR UNIT 9555-10



OVERVIEW

Power supply for the CLAMP ON SENSOR 9270/9271/9272/9272-10, and UNIVERSAL CLAMP ON CT 9277/9278/9278 and AC/DC Current Sensor 9709

Basic specifications

Compatible models	9270/9271/9272/9272-10/9277/9278/9279/9709, 1 unit max.
Output Terminal	BNC Terminal (outputs the power output of the connected sensor)
Output power voltage	±12V ±0.5V
Power supply	to main device +10V to +30V (+12V provided from supplied AC Adapter)
Dimensions, mass	40W × 70H × 130Dmm, 500g
Accessories	AC Adapter 9418-50 (AC 100 to 240V) (1)

OVERVIEW

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