

Test &
Measuring
Equipment

Current Clamps



General

Current clamps have become complete measuring tools with various various multimeter functions.

The clamps are used for measuring AC/DC current, AC Leakage current, AC/DC voltage, resistance, continuity, temperature and some with power and harmonic contamination.

The housings of the clamp meters have been greatly developed over the over the years. In addition to the ergonomic shape, convenient rotary switch and clear display, some some clamps have a drop-shaped jaw for optimal measurement.

The current clamp range offers a wide range of functions and capabilities. Whether you are looking for a basic or a more advanced model, even a CAT IV model is available.



Portfolio



Display resolution	2000d	4000d	3.999d	6000d	10.000d	3.999g
Voltage AC	•	•	•	•	•	•
Voltage DC	•	•	•	•	•	•
Resistance	•	•	•	•	•	•
Current AC	400 A	300 A	400 A	1000 A	600 A	60 A
Current DC		300 A	400 A	1000 A	600 A	
True RMS		•	•	•	•	
Diode / continuity	•	•	•	•	•	
Frequency			•	•	•	
Power					•	
Temperature			•	•		
Harmonic distortion					•	
Leakage current						•
Hold	•	•	•	•	•	•
Min-max hold				•	•	
Backlight				•	•	
Max. conductor size	27 mm	22 mm	27 mm	35 mm	37 mm	30 mm
Max. jaw opening	30 mm	25 mm	30 mm	40 mm	45 mm	30 mm
Weight	255 g	205 g	230 g	271 g	435 g	230 g
Overvoltage category	CAT III 600 V	CAT II 600 V	CAT III 600 V	CAT III 600 V	CAT IV 600 V	CAT III 300 V
Art.no.	626005043	626005020	626005057	626005054	626005052	626005024



NI 03



Art. number: 626005043

Multimeter / current clamp

The NI 03 excels in functionality. With basic measurements as voltage, resistance and of course current makes it perfect for allround users.

The basic accuracy of 1% makes it ideal for exact measurements.



Features

- Current AC
- Voltage AC/DC
- Resistance
- Continuity
- CAT III 600 V
- Display 2000d
- Hold functie



Specifications

Functions

	Max. range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 1.5\% + 5d$ $\pm 1.0\% + 2d$
Current	600 AAC	$\pm 1.9\% + 5d$
Resistance	20 MΩ	$\pm 1.9\% + 5d$

General

Max. conductor seize	27 mm
Max. jaw opening	30 mm
Display resolution	2000d
Overvoltage category	CAT III 600 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	180 x 56 x 32 mm
Weight	255 g (incl. batterijen)
Including	Test leads, bag, manual, battery



NI 30R

Art. number: 626005020

True RMS current clamp

The NI 30R is a very compact True RMS AC/DC current clamp, equipped with the smallest jaw opening. The clamp has accurate measurement of voltage, current (up to 300 A) and resistance. With a weight of only 205 gram it is easy to handle and use.



Features

- True RMS
- Current AC/DC
- Voltage AC/DC
- Resistance
- Continuity test
- Data hold
- Auto ranging
- Auto power off
- Zero button



Specifications

Functions

	Max. range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 1.5\% + 5d$ $\pm 0.5\% + 2d$
Current	300 AAC 300 ADC	$\pm 1.0\% + 3d$ $\pm 2.0\% + 2d$
Resistance	40 M Ω	$\pm 0.9\% + 3d$

General

Max. conductor seize	22 mm
Max. jaw opening	25 mm
Display resolution	4000d
Overvoltage category	CAT II 600 V / CAT III 300 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	192 x 66 x 27 mm
Weight	205 g (incl. battery)
Including	Test leads, bag, manual, battery



NI 10R

Art. number: 626005057



Compact current clamp

The NI 10R is an ergonomically shaped current clamp. It is suitable for measuring alternating and direct current (up to 400 A), alternating and direct voltages, resistances, capacity and frequencies. Also the temperature can also be measured.

The measured value is clearly displayed on the LCD display.

Features

- True RMS
- Current AC/DC
- Voltage AC/DC
- Resistance, capacity and frequency
- Continuity test
- Temperature
- Display hold



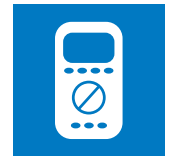
Specifications

Functions

	Max. range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 1.5\% + 5d$ $\pm 1.5\% + 2d$
Current	400 AAC 400 ADC	$\pm 2.8\% + 5d$ $\pm 2.8\% + 5d$
Frequency	10 kHz	$\pm 1.2\% + 2d$
Resistance	40 M Ω	$\pm 1.5\% + 2d$
Capacity	4 mF	$\pm 3.0\% + 5d$
Temperature	760 °C	$\pm 3.0\% + 5d$
Duty cycle	99.0 %	$\pm 1.2\% + 2d$

General

Max. conductor size	27 mm
Max. jaw opening	30 mm
Display resolution	3999d
Overvoltage category	CAT III 600 V
Standard	EN 61010-1
Supply	2x AAA 1.5 V batteries
Dimensions	198 x 66 x 36 mm
Weight	230 g (incl. batteries)
Including	Test leads, type K thermocouple, bag, manual, batteries



NI 14R

Art. number: 626005054

Complete current clamp

The complete and versatile current clamp NI 14R is an elegant and ergonomic shaped instrument.

This clamp is suitable for measuring AC/DC current (up to 1000 A), voltage, resistance capacity frequency and temperature. The measured values are displayed clearly on the LCD display, including backlight and bargraph.



Features

- True RMS
- AC/DC voltage
- AC/DC current
- Non contact voltage detection
- Resistance, capacity, frequency
- Continuity
- Temperature
- Min-max hold
- Display hold
- LCD backlight



Specifications

Functions

	Max. range	Accuracy
Voltage	600 VAC 600 VDC	$\pm 1.5 \% + 2d$ $\pm 0.1 \% + 1d$
Current	1000 AAC 1000 ADC	$\pm 2.5 \% + 4d$ $\pm 2.0 \% + 5d$
Frequency	10 MHz	$\pm 1.2 \% + 2d$
Resistance	60 M Ω	$\pm 3.0 \% + 5d$
Capacity	4000 μ F	$\pm 2.5 \% + 5d$
Temperature	760 $^{\circ}$ C	$\pm 3.0 \% + 3d$

General

Max. conductor seize	35 mm
Max. jaw opening	40 mm
Display resolution	6000d
Overvoltage category	CAT III 600 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	232 x 77 x 39 mm
Weight	271 g (incl. battery)
Including	Test leads, type K thermo couple, bag, manual, battery





NI 19^{PLUS}

Art. number: 626005052

True RMS current clamp

The NI 19^{PLUS} is a sturdy, high quality multifunctional True RMS current clamp. The clamp can measure up to 600 AAC/DC and 1000 VAC/VDC.

Other functionalities like power factor, power (Watt) and phase rotation complete the NI 19^{PLUS} as the most allround clamp in the range. The fact that the NI 19^{PLUS} can measure both AC and DC power, makes the clamp very suitable for measuring solar PV-systems.

In combination with the EazyFlex current clamp adapter the measuring range is increased to 3000 AAC.



Features

- True RMS
- AC/DC voltage
- AC/DC current
- Non contact voltage detection (VoltSense)
- Resistance, capacity, frequency
- Continuity
- Total harmonic distortion
- Inrush current
- Power factor
- Phase rotation
- Backlight
- Led illuminance when clamping



Specifications

Functions

	Max. range	Accuracy
Voltage	1000 VAC 1000 VDC	$\pm 1.0 \% + 5d$ $\pm 0.7 \% + 2d$
Current	600 AAC/DC	$\pm 1.5 \% + 5d$
Frequency	10 kHz	$\pm 0.5 \% + 3d$
Resistance	100 k Ω	$\pm 1.0 \% + 5d$
Capacity		
Affective reading	600 kW	A, error x V reading + V, error x A, reading

General

Max. conductor seize	37 mm
Max. jaw opening	45 mm
Display resolution	10.000d
Overvoltage category	CAT IV 600 V / CAT III 1000 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	242 x 75 x 50.5 mm
Weight	435 g (incl. battery)
Including	Test leads, bag, manual, battery





NI 333

Art. number: 626005024

Earth leakage clamp

At first, the NI 333 looks like a normal current clamp. Nevertheless, the special integrated technique of the jaw enables the user to measure very low or differential currents. The NI 333 is designed with an ergonomic housing with a wide jaw (opening). With this jaw, conductors up to 30 mm can be measured easily.

The jaw of the clamp is very sensitive, yet very well isolated. This enables the user to measure not only within the standard frequency of 50/60 Hz, but also at higher frequencies. In order to filter the disturbance of high frequencies, a special filter has been developed. This widens the range from 40 Hz up to 1 kHz. All measured values are displayed on the LCD screen.



Features

- AC current
- AC voltage
- Resistance
- Relative measurement
- High accuracy
- Auto power off
- Data hold



Specifications

Functions

	Range	Accuracy
Voltage	0.1 V ... 400 VAC	± 2.0 % + 4d
Current	10 µA ... 60 AAC	± 2.0 % + 5d
Resistance	60 MΩ	± 3.0 % + 5d

General

Max. conductor size	30 mm
Max. jaw opening	30 mm
Display resolution	3999d
Overvoltage category	CAT II 600 V / CAT III 300 V
Standard	EN 61010-1
Supply	1x 9 V battery
Dimensions	210 x 70 x 40 mm
Weight	230 g (incl. battery)
Including	Test leads, bag, manual, battery



NI T38

Art. number: 626005049

Compact AC/DC current clamp adapter

The compact current clamp adapter NI T38 is an easy to use solution for measuring high currents (AC+DC) in combination with a multimeter.

The clamp adapter is compatible with the EazyPV solar PV-tester.



Features

- AC & DC
- 2 ranges 40 A and 400 A
- 4 mm connectors
- Non-contact voltage detection
- Compatible met EazyPV solar PV-tester



Specifications

Functions

	Range	Accuracy
Current	0.1 ... 400 AAC/DC	
Output voltage	1 mV per 1 A	$\pm 2.8 \% + 0.5 \text{ A}$
Current	0.01 ... 40 AAC/DC	
Output current	10 mV per 1 A	$\pm 2.5 \% + 0.1 \text{ A}$
Frequency	10 kHz	

General

Max. conductor seize	30 mm
Max. jaw opening	30 mm
Overvoltage category	CAT IV 300 V / CAT III 600 V
Standard	EN 61010-1, EN 61010-2-32
Dimensions	150 x 58 x 35 mm
Weight	205 g
Including	Test leads, manual



EazyFlex



Art. number: 626005053

Flexibel current clamp adapter

The EazyFlex is a flexible current clamp adapter with a measuring range up to 3000 AAC. Especially difficult to reach locations can be safely measured by the flexible current sensor

Features

- Up to 3000 AAC
- High accuracy



Specifications

Functions



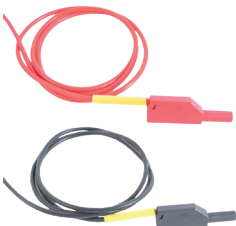


	Range	Accuracy
Current	0.01 ... 3000 AAC	± 3.0 %
Output voltage	30 A 300 A 3000 A	100 mA AC voltage per 1 AAC 10 mA AC voltage per 1 AAC 1 mA AC voltage per 1 AAC
Frequency	45 ... 500 kHz	

General

Flex current sensor length	45 mm
Overvoltage category	CAT IV 600 V
Standard	EN 61010-1
Dimensions	148 x 72 x 36 mm
Weight	200 g
Including	Manual



Accessories

 <p>Bag BT2 626006011 BT3 626006012 BT4 626006013 BT5 626006014 BT6 626006015</p>	 <p>Test lead with 2 mm probe</p> <p>Art. numbers: 626006000 (red) 626006001 (black)</p>	 <p>Test lead 1.5 m stackable</p> <p>Art. numbers: 560410033 (red) 560410034 (black)</p>	 <p>Test lead kit incl. test probes, clips</p> <p>Art. number: 560410070</p>
 <p>Alligator clamp 2 mm</p> <p>Art. numbers: 626006002 (red) 626006003 (black)</p>			



**Test &
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