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For over four decades, HT Instruments has been a trusted name in electrical testing and measurement, delivering innovative solutions engineered in Italy and relied upon by professionals across the globe. Built on a commitment to precision, safety, and continuous innovation, HT Instruments empowers electrical engineers, maintenance teams, and power professionals to perform with confidence in every application.

In the **Philippines**, **VCP Trading International Corporation** proudly serves as the Exclusive Distributor of HT Instruments, bringing world-class testing technology closer to Filipino industries. More than supplying premium instruments, we provide complete technical support, product consultation, calibration assistance, and after-sales service to ensure every customer receives lasting value from their investment.

What truly sets us apart is our team of experienced engineers who understand the challenges faced in the field. Through technical demonstrations, application support, training, and engineering expertise, we help businesses maximize the capabilities of HT Instruments and achieve safer, more reliable, and more efficient electrical systems. Together, HT Instruments and VCP Trading International Corporation are committed to empowering the Philippine industry with trusted technology, engineering excellence, and solutions that drive progress.

Calibration & Repair

VCP Trading provides reliable calibration and repair services for HT Instruments. Selected instruments are calibrated locally, while advanced testers are sent to HT Instruments Italy for factory-level calibration and servicing, ensuring the highest standards of accuracy and performance.

More Than a Distributor

At VCP Trading, we don't just supply HT Instruments, we empower our customers. Our qualified electrical engineers provide expert guidance, application support, and product demonstrations to help you confidently operate and maximize every HT Instruments solution.

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Trusted by Filipino Electrical Engineers Nationwide

Built on Italian engineering and European quality standards, HT Instruments delivers the precision, reliability, and ease of use that electrical professionals rely on every day. From power quality analysis to solar testing, it's the trusted choice for accurate and dependable measurements.



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CLAMP
METERS

CLAMP METERS



MAIN MEASUREMENTS	AC									
TRMS	●	●				●	●	●	●	●
Current measuring range:	1000A	600A	600A	400A	600A	3000A	200A	300A	400A	400A
Current	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC/DC
Leakage current										
Voltage measuring range	1000V	1000V	1000V	600V	600V		1000V		600V	600V
Voltage	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC		AC/DC		AC/DC	AC/DC
Frequency		●		●					●	●
Resistance and continuity test with buzzer	●	●	●	●	●		●		●	●
Capacitance		●		●					●	●
Diode test		●	●	●	●		●		●	●
Duty Cycle (%)		●		●						●
Temperature with K-type probe		●		●						●
Phase sequence and phase concordance										
Automatic detection of internal functions							●			
AC/DC current with external clamp transducers										
AC voltage with low impedance (LoZ)										
Mains analysis										
AC/DC voltage, current measurement/recording										
Meas./Rec. of AC and DC power										
Meas./Rec. of AC and DC energy										
Meas./Rec. of Cosphi, PF										
Meas./Rec. of U/I harmonics + THD%										
Inrush current measurement (INRUSH)										

ADDITIONAL CHARACTERISTICS

Overvoltage category:	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 300V	CAT III 600V	CAT III 600V
Maximum diameter for clamp	45mm	30mm	30mm	30mm	30mm	110mm	16mm	20mm	30mm	30mm
Display counts	6000	6000	2000	4000	2000	3000	10000	4000	2000	6000
Backlight	●	●	●		●	●	●	●	●	●
Bargraph	●	●								
Autorange	●	●	●	●	●	●	●	●	●	●
Auto power off	●	●	●	●	●	●	●	●	●	●
Detection of AC voltage without contact	●	●	●	●	●		●	●	●	●
Data HOLD function	●	●	●	●	●	●	●	●	●	●
MIN/MAX function	●	●	● MAX		● MAX				●	●
AVG function (AVERAGE)										
PEAK function	●	●								
Relative measurement (ZERO)		●		●						●
Low-pass filter for harmonic reduction										
Thermal camera										
Colour display										
VFD function										
Recording of electric parameters over time										
Memory for data saving										
PC / Smartphone or Tablet interface										
Power supply	1x 9V 6F22	1x 9V 6F22	1x 9V 6F22	2x 1.5V AAA	1x 9V 6F22	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	3x 1.5V AAA	3x 1.5V AAA
Size in mm (L x W x H)	252x88x44	215x74x43	215x74x43	200x66x37	197x70x40	280x120x25	193x54x31	160x55x30	220x81x42	220x81x42
Weight in grams (batteries included)	402	285	285	205	180	170	280	140	320	320
Reference standard for safety	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1
ORDER CODE	HP009019	HP009014	HP009012	HP004011	HP004010	HP030000	HP000100	HP007004	HP003010	HP003013



AC/DC						POWER AND HARMONICS				LEAKAGE	
●	●	●	●		●	●	●	●	●	●	●
1000A	1000A	1000A	600A	400A	400A	1000A	1000A	400A	400A	100µA ÷ 10A DC 100µA ÷ 20A AC	1µA ÷ 60A
AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC+DC	AC+DC	AC	AC	AC/DC	AC
										AC/DC	AC
1000V AC 1500V DC	1000V AC 1500V DC	1000V	1000V	600V		1000V AC 1500V DC					
AC+DC	AC+DC	AC/DC	AC/DC	AC/DC		AC+DC	AC+DC	AC/DC	AC/DC	AC/DC	
●	●	●	●	●		●	●	●	●		
●	●	●	●	●		●	●	●	●	●	
●	●	●	●	●							
●	●	●	●	●							
●	●	●	●	●							
●	●	●	●	●							
						●	●	●	●		
● AC+DC	● AC+DC										
●	●										
						●	●*	●*	●*		● HTLeakage APP
						●	●*	●*	●*		
						●	●*	●*	●*		
						●	●*	●*	●*		
						●	●*	●*	●*		
●	●				●	● Dynamic INRUSH	● Dynamic INRUSH				

CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 300V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V	CAT IV 300V	CAT III 600V
40mm	40mm	45mm	30mm	30mm	20mm	45mm	45mm	30mm	30mm	23mm	40mm
6000	6000	6000	6000	4000	4000	9999	9999	10000	10000	5000	6000
●	●	●	●		●	●	●	●	●	●	●
●	●	●	●					●	●		
●	●	●	●		●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
● Bluetooth	● Bluetooth					● WiFi					● Bluetooth
Li-ION battery	Li-ION battery	1x 9V 6F22	1x 9V 6F22	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA	2x 1.5V AAA
280x100x50	280x100x50	252x88x44	215x74x43	200x66x37	160x55x30	252x88x44	252x88x44	205x64x39	205x64x39	206x76x34	230x100x24
505	505	442	285	205	140	420	420	280	280	262	500
IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	IEC/ EN61010-1	EN61010-1 EN61557-13-16
HP09025T	HP009025	HP009021	HP009015	HP004013	HP007005	HP009023	HP009020	HP004022	HP004020	HP000079	HP00077C

ORDER CODE **HP003010**

HT3010

ORDER CODE **HP003013**

HT3013

TRMS 400A clamp meters with AC voltage detector without contact



The professional clamp meters HT3010 and HT3013 perform **TRMS** measurements of **AC current up to 400A (HT3010), AC/DC current up to 400A (HT3013), AC/DC voltage up to 600V, Frequency tests, Resistance tests, Continuity tests, Diode tests, Capacitance tests (HT3013),** and measurements of **Temperature with K-type probe (HT3013) and Duty Cycle (HT3013).** Each instrument **complies** with **standard IEC/EN61010-1 in CAT III 600V** and is provided with display backlight and auto power off function in order to spare the charge of the internal batteries.



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HT3010



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DATA SHEET
HT3013

 Functions

	HT3010	HT3013
TRMS measurements	●	●
DC/AC voltage	●	●
AC current	●	●
DC current		●
Frequency with test leads and clamp jaws	●	●
Duty cycle (%)		●
Resistance / Continuity test	●	●
Diode test	●	●
Capacitance		●
Temperature with K-type probe		●
Data HOLD	●	●
MAX/MIN	●	●
Relative measurement (ZERO)		●
Autorange	●	●
Backlight	●	●
Auto Power OFF	●	●

 Provided accessories

KIT4000A	Pair of test leads
TK101	K-type wire probe (HT3013)
T10	Adapter for K-type probe (HT3013)
	Carrying bag
	Batteries
	User Manual

 Characteristics

Display:	LCD 4 digits, 6000 counts (HT3013) LCD 3 1/2 digits, 2000 counts (HT3010)
Conversion type:	TRMS
Power supply:	3x1.5V batteries type AAA LR03
Auto Power OFF:	after 15 minutes' idling
Safety:	IEC/EN 61010-1
Overvoltage category:	CAT III 600V
Pollution level:	2
Insulation:	double insulation
Max height:	2000m
Clamp jaw internal diameter:	30mm
Weight (batteries included):	320g
Size (LxWxH):	220x81x42mm
Weight (batteries included):	approx 280g

 Optional accessories



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OPTIONAL ACCESSORIES

→ **TRMS**



ORDER CODE **HP000ECL**

ECLIPSE

AC/DC TRMS 1000A CAT IV clamp meter with infrared temperature measurement and measurement of DC voltage up to 1500V



ECLIPSE has been designed to measure **AC/DC current up to 1000A**, **DC voltage up to 1500V** and AC voltage up to 1000V in **TRMS** reaching **CAT IV 600V** and **CAT III 1000V** in compliance with **safety standard IEC/EN61010-1**. The clamp is provided with a display with **6000 measuring counts** with **backlight** and **bargraph** to allow for a simple reading even in poorly lit environments. ECLIPSE also measures **Resistance, Frequency, Capacitance** and **Temperature with K-type probe** and infrared temperature with built-in IR Camera. The Bluetooth connection allows for the transfer of the saved snapshots by means of the dedicated App HTMercury.



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ECLIPSE

Functions

- › TRMS measurements
- › DC voltage up to 1500V
- › AC voltage up to 1000V
- › AC+DC voltage
- › AC voltage with low impedance (LoZ)
- › DC/AC current up to 1000A
- › Inrush current (INRUSH)
- › DC/AC current with external clamp transducers
- › Resistance and Continuity test
- › “Voltsense” for AC voltage detection
- › Frequency with clamp jaws and leads
- › Capacitance / Duty cycle / Diode test
- › Temperature with K-type probe
- › Built-in infrared thermal camera (80x80pxl)
- › Autorange / Data HOLD / MAX/MIN / PEAK (<1ms)
- › Relative measurements
- › DataLogger function
- › Backlight and Bargraph
- › Auto Power OFF

Characteristics

Display: colour TFT 6000 dots
Conversion type: TRMS
Power supply: 1x7.4V rechargeable Li-ION battery, after 15÷60 minutes’ idling
Auto Power OFF: after 15÷60 minutes’ idling
Clamp jaw internal diameter: 40mm
Internal memory: max 128 snapshots/16 recordings
Bluetooth connection BLE 4.0
Safety: IEC/EN61010-1
Overvoltage category: CAT IV 600V - CAT III 1000V
Insulation: double insulation
Pollution level: 2
Size (LxWxH): 280x100x50mm
Weight (batteries included): 505g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
BAT64	Li-ION rechargeable battery, 2 pieces
A0EC95	Battery charger power supply + recharging base
B0EC95	Carrying bag
	User manual, ISO calibration report

Optional accessories



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OPTIONAL ACCESSORIES

→ TRMS



ORDER CODE **HP009025**

HT9025

AC/DC TRMS 1000A CAT IV clamp meter with measurement of DC voltage up to 1500V



HT9025 has been designed to measure **AC/DC current up to 1000A**, **DC voltage up to 1500V** and AC voltage up to 1000V in **TRMS** reaching **CAT IV 600V** and **CAT III 1000V** in compliance with safety standard **IEC/EN61010-1**. The clamp is provided with a display with **6000 measuring counts** with **backlight** and **bargraph** to allow for a simple reading even in poorly lit environments. HT9025 also measures **Resistance, Frequency, Capacitance** and **Temperature with K-type probe**. The Bluetooth connection allows for the transfer of the saved snapshots by means of the dedicated App HTMercury.



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HT9025

Functions

- › TRMS measurements
- › DC voltage up to 1500V
- › AC voltage up to 1000V
- › AC/DC voltage
- › AC voltage with low impedance (LoZ)
- › DC/AC current up to 1000A
- › Inrush current (INRUSH)
- › DC/AC current with external clamp transducers
- › Resistance and Continuity test
- › “Voltsense” for AC voltage detection
- › Frequency with clamp jaws and leads
- › Capacitance / Duty cycle / Diode test
- › Temperature with K-type probe
- › Autorange / Data HOLD / MAX/MIN / PEAK (<1ms)
- › Relative measurements
- › DataLogger function
- › Backlight and Bargraph
- › Auto Power OFF

Characteristics

Display: colour TFT 6000 dots
Conversion type: TRMS
Power supply: 1x7.4V rechargeable Li-ION battery, after 15÷60 minutes’ idling
Auto Power OFF: after 15÷60 minutes’ idling
Clamp jaw internal diameter: 40mm
Internal memory: max 128 snapshots/16 recordings
Bluetooth connection BLE 4.0
Safety: IEC/EN61010-1
Overvoltage category: CAT IV 600V - CAT III 1000V
Insulation: double insulation
Pollution level: 2
Size (LxWxH): 280x100x50mm
Weight (batteries included): 505g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
BAT64	Rechargeable Li-ION battery
A0EC95	Battery charger power supply + recharging base
B0EC95	Carrying bag
	User manual, ISO calibration report

Optional accessories



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→ TRMS



ORDER CODE **HP09025T**
HT9025T

AC/DC TRMS 1000A current clamp with integrated thermal imager 120 x 120 pxl



HT9025T combines the features of a **professional current clamp** with those of a **120 x 120pxl thermal imager**. It is designed for the **measurement of AC/DC Current up to 1000A, DC Voltage up to 1500V** and **AC Voltage up to 1000V in TRMS** in reaching **CAT IV 600V and CAT III 1000V** in accordance with the **IEC/EN61010-1** safety standard. The clamp is equipped with a **6000 measurement point display** with **backlight** and **bargraph** such as to take simple readings even in poorly lit environments. HT9025T also performs **Resistance, Frequency, Capacitance** and **Temperature measurements with K probe** and **infra-red temperature with integrated thermal imager**. The Bluetooth connection enables the transfer of snapshots saved using the **dedicated HTMercury APP**. The instrument has an innovative **VFD (Variable Frequency Driver)** function for precise measurements of AC voltage **even downstream of variable frequency regulators (Inverters)**.



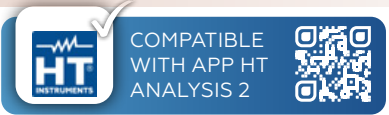
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HT9025T

ORDER CODE **HP009023**
HT9023

Professional clamp meter for measuring power/harmonics with WIFI connection



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HT9023



HT9023 has been designed to measure **AC current, DC AC+DC up to 1000A in TRMS** reaching **CAT IV 600V** and **CAT III 1000V** in compliance with **safety standard IEC/EN61010-1**. The clamp also measures **DC voltage up to 1500V, AC, AC+DC voltage up to 1000V, Active, Reactive, Apparent Power, Power factor, Energy, voltage/current harmonic analysis up to the 25th with THD% calculation** in balanced single-phase and three-phase systems. It is also possible to carry out the phase sequence test with 1 terminal. The instrument also detects the events linked to motor starting currents (Dynamic INRUSH) and allows recording each measured electric parameter over time, with the possibility of transferring data via WiFi to Android/iOS devices through the App HTAnalysis 2. The clamp is provided with a wide graphic dot-matrix screen (128x128pxl) with backlight, in order to allow reading data even in poorly lit environments, and it is provided with an auto power off function to preserve its internal battery.

Functions

- › TRMS
- › Current measurement range 1000A
- › AC, DC, AC+DC Current
- › AC, DC, AC+DC Voltage
- › Thermal imaging camera with resolution 120x120pxl
- › Leakage current with optional current clamp
- › Frequency
- › Resistance and continuity test
- › Capacity
- › Diode Test
- › Duty cycle %
- › Temperature with K type probe
- › Inrush current measurement (INRUSH)
- › Backlight
- › Bargraph
- › Autorange
- › Auto power off
- › AC voltage detection contactless
- › Data HOLD Function
- › MIN/MAX/PEAK Function
- › Relative Measurement
- › Datalogger and graphics
- › AC, DC, AC+DC current with clamp transducers
- › AC, DC, AC+DC Voltage with low impedance (LoZ)
- › VFD function on AC voltage TRMS

Characteristics

Display: TFT colour 6000 points
Conversion Type: TRMS
Power supply: 1x7.4V Li-ION rechargeable battery
Auto Power OFF: after 15÷60 minutes of non-use
Toroid internal diameter: 40mm
Internal memory: max 128 snapshots/16 adjustments
Bluetooth Connection: BLE 4.0
Safety: IEC/EN61010-1
Measurement category: CAT IV 600V - CAT III 1000V - CAT II 1500VDC
Insulation: double insulation
Level of pollution: 2
Dimensions (LxWxH): 280x100x50mm
Weight (batteries included): 505 g

Provided accessories

4324-2	Pair of tips with 2/4mm tip
T10	K-wire probe adapter
TK101	K type wire probe
BAT64	Rechargeable battery Li-ION (2 pieces)
A0EC95	Battery charger + charging base
B0EC95	Transport bag
	User manual, ISO calibration report

Optional accessories



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Functions

- › DC, AC + DC TRMS current up to 1000A
- › DC voltage up to 1500V
- › AC, AC+DC TRMS voltage up to 1000V
- › Resistance and Continuity test
- › "Volsense" for AC voltage detection
- › Frequency with clamp jaws and leads
- › Phase sequence / Phase concordance with 1 terminal
- › Measurement/recording of DC power and energy
- › Measurement/recording of active, reactive, apparent power in single-phase systems
- › Measurement/Recording of active, reactive power in single-phase systems
- › Measurement/Recording of power factor in single-phase systems
- › Measurement/Recording of voltage/current harmonics up to the 25th and calculation of THD%
- › Motor starting current detection (Dynamic INRUSH)
- › Data logger function with programmable PI
- › Autorange
- › Data HOLD
- › MAX/MIN/AVG
- › PEAK (1ms), ZERO
- › Backlight
- › WiFi for connection to PC and Android/iOS devices
- › Auto Power OFF

Characteristics

Display: dotmatrix 128x128pxl with backlight
Conversion type: TRMS
Power supply: 2x1.5V batteries type AAA LR03
Duration: > 40ore
Internal memory: 2MBytes (approx. 5g @IP=1min)
PC interface: WiFi
Clamp jaw internal diameter: 45mm
Safety: IEC/EN61010-1
Overvoltage category: CAT IV 600V - CAT III 1000V
Insulation: double insulation
Pollution level: 2
Size (LxWxH): 252x88x44mm
Weight (batteries included): 420g

Provided accessories

YAAMK0000HTO	Pair of test leads
YAAMK0001HTO	Pair of alligator clips
YABRS0000NNO	Carrying bag
	Batteries
	ISO calibration report
	Quick user guide

Optional accessories



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ORDER CODE **HP009021**

HT9021

AC/DC TRMS CAT IV 600V clamp meter with temperature measurement



HT9021 has been designed to measure **AC/DC current up to 1000A in TRMS**, reaching **CAT IV 600V** and **CAT III 1000V** in compliance with **safety standard IEC/EN61010-1**. The clamp is provided with a display with **6000 measuring counts** with **backlight** and **bargraph** to allow for a simple reading even in poorly lit environments. HT9021 also carries out **measurements of voltage up to 1000V**, **Resistance**, **Frequency**, **Capacitance** and **Temperature with K-type probe**.



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Functions

- › TRMS measurements
- › AC/DC voltage: (1000V)
- › AC/DC current: (1000A)
- › Resistance and Continuity test
- › “Voltsense” for AC voltage detection
- › Frequency with clamp jaws and leads
- › Capacitance, Duty cycle, Diode test
- › Temperature with K-type probe
- › Autorange, Data HOLD
- › MAX/MIN, PEAK (<10ms)
- › Relative measurements
- › Backlight, Bargraph
- › Auto Power OFF

Characteristics

Display:	LCD, 4 digits, 6000 counts
Conversion type:	TRMS
Power supply:	1x9V battery type IEC6F22
Auto Power OFF:	after 15 minutes' idling
Max diameter of clamp:	45mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V - CAT III 1000V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	252x88x42mm
Weight (batteries included):	420g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
YA-BRS0000NNO	Carrying bag
	Batteries and user manual

Optional accessories



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ORDER CODE **HP009020**

HT9020

Professional clamp meter with power/harmonic measurement



The power clamp meter HT9020 has been designed for measuring DC, AC+DC TRMS current up to 1000A to obtain CAT IV 600V in compliance with standard IEC/EN61010-1. It also measures **Active, Reactive, Apparent Power, Energy, voltage/current harmonic analysis up to the 25th with THD%** in balanced single-phase or three-phase systems. They also allow testing phase sequence and concordance with the 1-terminal measuring method. It is also possible to detect and record the events linked to **motor starting (INRUSH) currents**. The clamp is provided with a wide graphic dot-matrix screen (128x128pxl) with backlight, in order to allow reading data even in poorly lit environments, and it is also provided with an auto power off function to preserve its internal battery.



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HT9020

Functions

- › DC, AC + DC TRMS current up to 1000A
- › DC, AC + DC TRMS voltage up to 1000V
- › Frequency with leads and with clamp jaws
- › Phase sequence / Phase conformity
- › Resistance and Continuity test
- › Measurement of DC power and energy
- › Measurement of active, reactive and apparent power on single-phase systems
- › Measurement of active, reactive power in single-phase systems
- › Measurement of power factor in single-phase systems
- › Measurement of voltage/current harmonics up to the 25th and THD% calculation
- › Motor starting (INRUSH) current detection
- › Autorange
- › Backlight
- › Auto Power OFF
- › Data HOLD, MAX/MIN/CREST

Characteristics

Display:	dotmatrix 128x128pxl with backlight
Power supply:	2x1.5V batteries type AAA
Duration:	> 150ore
Safety:	IEC/EN61010-1
Insulation:	Double insulation
Pollution level:	2
Overvoltage category:	CAT IV 600V to earth, max 1000V between inputs
Max diameter of cable:	45mm
Size (LxWxH):	252x88x44mm
Weight (batteries included):	0.42kg

Provided accessories

YAAMK0000HTO	Pair of test leads
YAAMK0001HTO	Pair of alligator clips
YABRS0000NNO	Carrying bag
	Batteries
	ISO calibration report
	Quick user guide

Optional accessories



SCAN THE QR CODE
TO DISCOVER ALL
OPTIONAL ACCESSORIES



ORDER CODE **HP009019**

HT9019

Professional clamp meter
AC 1000A TRMS, CAT IV 600V



Professional clamp meter HT9019 has been designed to measure **AC current up to 1000A** and **AC/DC voltage up to 1000V** in **TRMS** reaching **CAT IV 600V** according to standard **IEC/EN61010-1**. The clamp is provided with a wide display with **6000 measuring counts**, **backlight** and analogue **bargraph** to allow for a simple reading even in poorly lit environments. Clamp HT9019 is also provided with the auto power off function to preserve its own battery.



SEE
PRODUCT
DATA SHEET
HT9019

Functions

- › TRMS measurements
- › AC current up to 1000A
- › AC/DC voltage up to 1000V
- › Resistance and Continuity test
- › “Voltsense” for AC voltage detection
- › Autorange
- › Data HOLD
- › MAX/MIN
- › PEAK CURRENT (<10ms)
- › Bargraph
- › Backlight
- › AutoPowerOFF

Characteristics

Display:	LCD, 4 digits, 6000 counts
Conversion type:	TRMS
Power supply:	1x9V batteries type IEC 6F22
Auto Power OFF:	after 15 minutes' idling
Clamp jaw internal diameter:	45mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V - CAT III 1000V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	252x88x44mm
Weight (batteries included):	420g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
YA-BRS0000NNO	Carrying bag
	Batteries and user manual

Optional accessories



SCAN THE QR CODE
TO DISCOVER ALL
OPTIONAL ACCESSORIES

→ TRMS



ORDER CODE **HP009015**

HT9015

AC/DC TRMS 600A CAT IV clamp meter with
temperature measurement



HT9015 has been designed to measure **AC/DC current up to 600A** and **AC/DC voltage up to 1000V** in **TRMS** reaching **CAT III 1000V** in compliance with **safety standard IEC/EN61010-1**. The clamp is provided with a display with **6000 counts** with **backlight** and **bargraph** to allow for a simple reading even in poorly lit environments. HT9015 also measures **Resistance, Frequency, Capacitance** and **Temperature with K-type probe**.



SEE
PRODUCT
DATA SHEET
HT9015

Functions

- › TRMS measurements
- › AC/DC voltage: (1000V)
- › AC/DC current: (600A)
- › Resistance and Continuity test
- › “Voltsense” for AC voltage detection
- › Frequency with clamp jaws and leads
- › Capacitance
- › Duty cycle
- › Diode test
- › Temperature with K-type probe
- › Autorange
- › Data HOLD
- › MAX/MIN
- › PEAK (<10ms)
- › Relative measurements
- › Backlight and Bargraph
- › Auto Power OFF

Characteristics

Display:	LCD, 4 digits, 6000 counts
Conversion type:	TRMS
Power supply:	1x9V battery type IEC6F22
Auto Power OFF:	after 15 minutes' idling
Clamp jaw internal diameter:	30mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V - CAT III 1000V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	210x75x45mm
Weight (batteries included):	400g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
	Battery, User manual and Carrying bag

Optional accessories



SCAN THE QR CODE
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OPTIONAL ACCESSORIES

→ TRMS



ORDER CODE **HP009014**

HT9014

Professional clamp meter
AC 600A TRMS, CAT IV 600V



Professional clamp meter HT9014 has been designed to measure **AC current up to 600A** and **AC/DC voltage up to 1000V TRMS** to reach **CAT IV 600V** and **CAT III 1000V** in compliance with standard **IEC/EN61010-1**. The clamp is provided with a wide **backlight display with 6000 counts** and an auto power off function to preserve its battery.



SEE
PRODUCT
DATA SHEET
HT9014

Functions

- › Measurements in TRMS, DC/AC voltage, AC current
- › Resistance/Continuity test, Frequency
- › “Voltsense” sensor
- › Diode test, Temperature with K-type probe
- › Capacitance, Duty Cycle
- › Autorange, Data HOLD, MAX/MIN
- › PEAK CURRENT (<10ms)
- › Relative measurement, Bargraph, Backlight, AutoPowerOFF

Characteristics

Display:	LCD, 4 digits, 6000 counts
Conversion type:	TRMS
Power supply:	1x9V battery type IEC 622
Auto Power OFF:	after 30 minutes’ idling
Clamp jaw internal diameter:	30mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V - CAT III 1000V
Size (LxWxH):	210x75x45mm
Weight (batteries included):	400g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
	Battery, User manual and Carrying bag

Optional accessories



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OPTIONAL ACCESSORIES

→ **TRMS**



ORDER CODE **HP009012**

HT9012

Professional clamp meter
AC 600A, CAT IV 600V



Professional clamp meter HT9012 has been designed to measure **AC current up to 600A** and **AC/DC voltage up to 1000V** to reach **CAT IV 600V** and **CAT III 1000V** in compliance with standard **IEC/EN61010-1**. The clamp is provided with a wide **backlit display with 2000 counts** and an auto power off function to preserve its battery.



SEE
PRODUCT
DATA SHEET
HT9012

Functions

- › DC/AC voltage
- › AC current
- › Resistance/Continuity test
- › “Voltsense” sensor
- › Diode test
- › Data HOLD
- › MAX function
- › Backlight
- › AutoPowerOFF

Characteristics

Display:	LCD, 3½digits, 2000 counts
Conversion type:	average value
Power supply:	1x9V battery type IEC 622
AutoPowerOFF:	after 30 minutes’ idling
Clamp jaw internal diameter:	30mm
Safety:	IEC/EN61010-1
Measurement category:	CAT IV 600V CAT III 1000V
Size (LxWxH):	210x75x45mm
Weight (batteries included):	400g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
	Battery
	User manual and Carrying bag

Optional accessories



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OPTIONAL ACCESSORIES



ORDER CODE **HP004013**

HT4013

Clamp meter AC/DC 400A



Clamp meter HT4013 has been designed to measure **AC/DC current up to 400A** and **AC/DC voltage up to 600V** to reach **CAT III 600V** in compliance with standard **IEC/EN61010-1**. The clamp is provided with an internal sensor to detect AC voltage also without contact, through a red LED turning on. This model also carries out measurements of **Resistance, Continuity Test, Frequency, Capacitance, Diode test, Duty Cycle** and **Temperature with K-type probe**. The clamp is also provided with the auto power off function to preserve its own battery.

SEE
PRODUCT
DATA SHEET
HT4013

Functions

- › AC/DC current up to 400A
- › DC/AC voltage up to 600V
- › “Volsense” for AC voltage detection
- › Resistance and continuity test with buzzer
- › Frequency with leads, Capacitance, Diode test
- › Duty Cycle (%)
- › Temperature with K-type probe
- › Autorange, Data HOLD, MAX/MIN/Relative measurement

Characteristics

Display:	LCD, 4 digits, 4000 counts
Conversion type:	RMS
Power supply:	2x1.5V alkaline batteries type AAA LR03
Auto Power OFF:	after 30 minutes’ idling
Max diameter of clamp:	30mm
Safety:	IEC/EN61010-1
Measurement category:	CAT III 600V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	200x66x37mm
Weight (batteries included):	205g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
	Battery, User manual and Carrying bag

Optional accessories

SCAN THE QR CODE
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OPTIONAL ACCESSORIES



ORDER CODE **HP004022**

HT4022

Clamp meter AC TRMS 400A
with power/harmonic measurement



ORDER CODE **HP004020**

HT4020

Professional clamp meters HT4020 and HT4022 carry out measurements in **TRMS** of **AC current up to 400A**, **AC/DC voltage up to 600V**, **Frequency, Resistance, Continuity test, Active, Reactive, Apparent Power, Cosφ, Energy** for balanced single-phase and/or three-phase systems, further to the detection of phase sequence by 1-terminal method. Model **HT4022** also carries out the absolute/percentage measurement of **harmonic components of voltage and current** with calculation of **THD%**. Each instrument **complies** with standard **IEC/EN61010-1** in **CAT III 600V** and is the ideal solution for troubleshooting typical problems in **industrial environments** such as **non-linear loads, frequency-controlled motors**.

SEE
PRODUCT
DATA SHEET
HT4022

SEE
PRODUCT
DATA SHEET
HT4020

Functions

	HT4022	HT4020
DC/AC TRMS voltage	●	●
AC TRMS current	●	●
Resistance and Continuity test	●	●
Frequency with test leads and clamp jaws	●	●
Active, Reactive, Apparent power	●	●
Active, Reactive, Apparent energy	●	●
Power factor and Cosφ	●	●
Harmonics V/ I up to the 25th and THD%	●	
Phase sequence with 1 terminal	●	●
Autorange	●	●
Data HOLD	●	●
MAX/MIN/AVG/PEAK	●	●
Backlight	●	●
AutoPowerOFF	●	●

Provided accessories

4413-2	Pair of test leads
YAAMK0001HTO	Pair of alligator clips
B80	Carrying bag
	Rubber cap for test lead
	ISO calibration report
	Batteries and user manual

Characteristics

Display:	LCD, 4 digits, 10000 counts
Conversion type:	TRMS, 64 samples in 20ms
Power supply:	2x1.5V batteries type AAA LR03
Auto Power OFF:	after 5 minutes’ idling
Safety:	IEC/EN 61010-1
Overvoltage category:	CAT III 600V
Pollution level:	2
Insulation:	double insulation
Max height:	2000m
Clamp jaw internal diameter:	30mm
Size (LxWxH):	205x64x39mm
Weight (batteries included):	approx 280g

Optional accessories

SCAN THE QR CODE
TO DISCOVER ALL
OPTIONAL ACCESSORIES



HT4011

Clamp meter AC 400A



Clamp meter HT4011 has been designed to measure **AC current up to 400A** and **AC/DC voltage up to 600V** to reach **CAT III 600V** in compliance with standard **IEC/EN61010-1**. The clamp is provided with an internal sensor to detect AC voltage also without contact, through a red LED turning on. HT4011 also carries out measurements of **Resistance, Continuity Test, Frequency, Capacitance, Diode test, Duty Cycle** and **Temperature with K-type probe**. The clamp is also provided with the auto power off function to preserve its own battery.



SEE
PRODUCT
DATA SHEET
HT4011

Functions

- › AC current up to 400A
- › DC/AC voltage up to 600V
- › “Volsense” for AC voltage detection
- › Resistance and continuity test with buzzer
- › Frequency with leads, Capacitance, Diode test
- › Duty Cycle (%)
- › Temperature with K-type probe
- › Autorange, Data HOLD, MAX/MIN/Relative measurement

Characteristics

Display:	LCD, 4 digits, 4000 counts
Conversion type:	average value
Power supply:	2x1.5V batteries type AAA LR03
Auto Power OFF:	after 30 minutes’ idling
Max diameter of clamp:	30mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT III 600V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	200x66x37mm
Weight (batteries included):	205g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
T10	Adapter for K-type wire probe
TK101	K-type wire probe
Battery, User manual and Carrying bag	

Optional accessories



SCAN THE QR CODE
TO DISCOVER ALL
OPTIONAL ACCESSORIES



HT4010

Clamp meter AC 600A



Clamp meter HT4010 can carry out measurements of **AC current up to 600A** and **AC/DC voltage, Resistance, Continuity** and **Diode test**. The device is provided with an internal sensor capable o detecting, through a LED turning on and a buzzer sounding, the presence of AC voltage in a spot without contact. This device complies with standard **IEC/EN61010-1** in **CAT III 600V** and it is the ideal solution for measurements to be carried out both in domestic and in industrial environments.



SEE
PRODUCT
DATA SHEET
HT4010

Functions

- › AC current up to 600A
- › AC/DC voltage up to 600V
- › Detection of AC voltage without contact
- › Resistance / Continuity test
- › Diode test
- › Data HOLD
- › MAX
- › Backlight
- › Auto Power OFF

Characteristics

Display:	LCD, 3½ digits, 2000 counts
Conversion type:	average value
Power supply:	1x9V battery type 6F22
Auto Power OFF:	after 15 minutes’ idling
Clamp jaw internal diameter:	30mm
Safety:	EC/EN 61010-1
Overvoltage category:	CAT III 600V
Insulation:	double insulation
Pollution level:	2
Max height:	2000m
Size (LxWxH):	197x70x40mm
Weight (batteries included):	180g

Provided accessories

4324-2	Pair of leads with 2/4mm tip
Carrying bag, battery and user manual	

Optional accessories



SCAN THE QR CODE
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OPTIONAL ACCESSORIES



ORDER CODE **HP030000**

F3000

Clamp meter
with flexible jaws AC 3000A



Professional clamp meter F3000 has been designed to measure **AC current up to 3000A** in **TRMS** in **total autorange** to reach **CAT IV 600V, CAT III 1000V** according to standard **IEC/EN61010-1**. The clamp is provided with innovative **flexible jaws** capable of reaching a **maximum diameter of 110mm** and allowing for an easy reading in any condition. The clamp is provided with a wide display with **3000 counts**, **Data HOLD** function and **backlight** to allow for a simple reading even in poorly lit environments. The clamp is also provided with the auto power off function to preserve its own battery.



SEE
PRODUCT
DATA SHEET
F3000

Functions

- › TRMS measurements
- › AC TRMS current up to 3000A
- › Flexible jaws with big diameter
- › Autorange
- › Data HOLD
- › MAX/MIN
- › Backlight
- › Auto Power OFF

Characteristics

Display:	LCD, 4 digits, 3000 counts
Conversion type:	TRMS
Power supply:	2x1.5V alkaline batteries type AAA LR03
Auto Power OFF:	after 20 minutes' idling
Max diameter of clamp:	110mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V - CAT III 1000V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	280x120x25mm
Weight (batteries included):	170g

Provided accessories

- Batteries
- Carrying bag
- User Manual

Optional accessories



SCAN THE QR CODE
TO DISCOVER ALL
OPTIONAL ACCESSORIES



ORDER CODE **HP000100**

HT100

Fork clamp meter AC 200A



Professional clamp meter HT100 is provided with automatic recognition of functions, for measuring **AC current up to 200A** and **AC/DC voltage up to 1000V** in **TRMS** to reach **CAT IV 600V** and **CAT III 1000V** in compliance with standard **IEC/EN61010-1**. The clamp is provided with **"open" jaws**, with a wide **display with 9999 counts**, **"Volsense"** phase detector function, **Data HOLD** and **backlight** to allow for a simple reading even in poorly lit environments. HT100 also carries out measurements of **Resistance**, **Continuity test** and **Diode test**. The clamp is also provided with the auto power off function to preserve its own battery.



SEE
PRODUCT
DATA SHEET
HT100

Functions

- › TRMS measurements
- › AC TRMS current up to 200A
- › DC/AC TRMS voltage up to 1000V
- › "Volsense" for AC voltage detection
- › Resistance
- › Continuity test with buzzer
- › Diode test
- › Autorange
- › Autorecognition function
- › Data HOLD
- › Backlight
- › Auto Power OFF

Characteristics

Display:	LCD, 4 digits, 10000 counts, backlit
Conversion type:	TRMS
Power supply:	2x1.5V alkaline batteries type AAA LR03
Auto Power OFF:	after 20 minutes' idling
Max diameter of clamp:	16mm
Safety:	IEC/EN61010-1
Overvoltage category:	CAT IV 600V, CAT III 600V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	193x54x31mm
Weight (batteries included):	280g

Provided accessories

- 4413-2 Pair of test leads
- Batteries and user manual

Optional accessories



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OPTIONAL ACCESSORIES



ORDER CODE **HP007004**
HT7004

ORDER CODE **HP007005**
HT7005

Pocket clamp meters for AC TRMS current up to 400A with measurement of inrush currents.



Clamp meter **HT7005** can measure **DC** and **ACTRMS** current up to **400A** in Autorange, in compliance with IEC/EN61010-1, CAT III 300V **further to measuring the inrush current of electric motors** with a response time of **100ms**. Model **HT 7004** can measure **only AC TRMS current** up to **300A**. Both devices are provided with Data HOLD function and Auto Power Off function, in order to preserve the internal battery when not in use. Thanks to its **extremely small size**, these models are very practical and they are the ideal solution for simple measurements in the most common domestic and industrial environments.



SEE
PRODUCT
DATA SHEET
HT7004



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PRODUCT
DATA SHEET
HT7005

ORDER CODE **HP000079**
HT79

ORDER CODE **HP00077C**
HT77C

Clamp meters
for measuring leakage current



Models HT77C and HT79 are clamp meters designed for an **accurate measurement of very low values of AC and DC currents** (DC only for HT79) and, therefore, they are mainly employed in detecting and defining **leakage currents in domestic and industrial electric systems**, which typically cause the RCDs' tripping. HT77C, in particular, complies with standards IEC/EN61557-13 and IEC/EN61557-16, which provide for a measurement protected against external disturbances. It is also provided with a **built-in low-pass filter to eliminate harmonic components**. Model **HT79** also allows measuring **AC/DC voltage** and performing resistance/continuity tests. HT77C is also provided with Bluetooth connection for managing a datalogger function in combination with the APP **HTLeakage**.



SEE
PRODUCT
DATA SHEET
HT79



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PRODUCT
DATA SHEET
HT77C

Functions

	HT7004	HT7005
AC TRMS current	●	●
DC current		●
Inrush current (INRUSH)		●
AC voltage detection without contact	●	●
Autorange	●	●
Data HOLD	●	●
ZERO function (zeroing)	-	●
Backlight	●	●
Auto Power OFF	●	●

Characteristics

Power supply: 2x1.5V batteries type AAA LR03
Safety: IEC/EN61010-1
Overvoltage category: CAT III 300V
Insulation: double insulation
Pollution level: 2
Max operating altitude: 2000m
Display: 3¼ LCD, 4000 dots, decimal sign and point
Max cable diameter 20mm
Size (LxWxH): 155x60x25mm
Weight (batteries included): 140g

Provided accessories

- Soft transport bag
- Batteries
- User Manual

Optional accessories



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OPTIONAL ACCESSORIES



Functions

	HT77C	HT79
TRMS measurements	●	●
DC/AC voltage		●
DC current		●
AC current	●	●
Resistance / Continuity test		●
Low-pass filter	●	
Data HOLD	●	●
Auto HOLD	●	
Peak HOLD	●	
Relative measurement (ZERO)		●
Autorange	●	●
Backlight	●	●
MAX/MIN		●
Auto Power OFF	●	●

Provided accessories

- Pair of test leads (HT79)
- Soft transport bag
- Batteries and user manual

Optional accessories



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OPTIONAL ACCESSORIES

Characteristics

Display: LCD 4 digits, 6000 counts (HT77C)
LCD 4 digits, 5000 counts (HT79)
Conversion type TRMS
Power supply: 2x1.5V batteries type AAA LR03 (HT79)
2x1.5V batteries type AA LR06 (HT77C)
Safety: IEC/EN 61010-1
Overvoltage category: CAT III 600V (HT77C)
CAT IV 300V (HT79)
Insulation: double insulation
Pollution level: 2
Max operating altitude: 2000m
Max cable diameter: 40mm (HT77C)
23mm (HT79)
Auto Power OFF: after 20 minutes' idling (HT77C)
after 30 minutes' idling (HT79)
Size (LxWxH): 230x30x24mm (HT77C)
206x76x34mm (HT79)
Weight (batteries included): 500g (HT77C) 262g (HT79)

