



HT9022 AC/DC True RMS Clamp Meter 1000A - Cat IV

with Power Quality Analyser and Bluetooth to Android Devices
Three Year Warranty

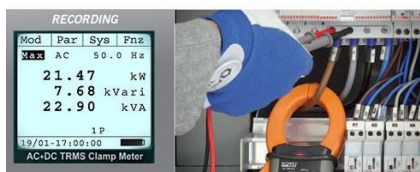


FEATURES

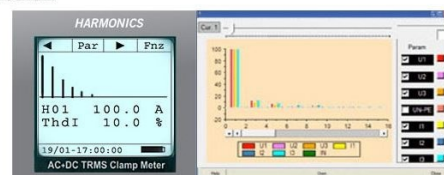
- DC, AC + DC TRMS current up to 1000A
- DC, AC + DC TRMS voltage up to 1000V
- Resistance and continuity test
- Frequency with test leads
- Frequency with jaws
- Phase sequence / 1 wire phase correlation
- DC Power
- Active, Reactive, Apparent power on Single phase systems
- Active, Reactive energy on Single phase systems
- Power Factor on Single phase systems
- Harmonic voltage/current up to 25th with THD% calculation
- Inrush current
- Data logger with programmable IP
- Autoranging
- Backlight
- Auto Power OFF
- Data HOLD
- MAX/MIN/CREST
- PC connection via Bluetooth
- Connection with Android devices
- CAT IV 600V

STANDARD ACCESSORIES

- * Test Leads
- * Alligator Clips
- * Soft Carrying Case
- * TOPVIEWS : PC Windows software
- * User Manual on CD-ROM
- * Quick reference guide
- * Batteries



Simultaneously records
Power AC/DC - Voltage - Current
Power Factor - Cosphi - Harmonics - THD%



RAPID-TECH EQUIPMENT

For all your Test Equipment Requirements

1800 358 531
Web www.Rapid-tech.com.au
E-Mail info@rapid-tech.com.au

1. ELECTRICAL SPECIFICATIONS

Accuracy is calculated as [% rdg + (number of dgt) x resolution]. It is referred to 23°C ± 5°C, <80%RH

DC Voltage

Range	Resolution	Accuracy	Input impedance	Overload protection
0.5 + 999.9V	0.1V	±(1.0%rdg + 4dgt)	2.6MΩ	1000VDC/ACrms

(AC+DC) TRMS Voltage

Range	Resolution	Accuracy		Overload protection
		43 + 63Hz	10 + 43Hz, 63 + 400Hz	
0.5 + 999.9V	0.1V	±(1.0%rdg + 3dgt)	±(3.5%rdg + 3dgt)	1000VDC/ACrms

Input impedance: 2.6MΩ; Max. Crest factor: 1.41

AC/DC Voltage – MAX/MIN/CREST

Range	Resolution	Accuracy	Response time	Overload protection
0.5 + 999.9V	0.1V	±(3.5%rdg + 5dgt)	1s	1000VDC/ACrms

Input impedance: 2.6MΩ; Max. Crest factor: 1.41

DC Current

Range	Resolution	Accuracy	Overload protection
0.5 + 999.9A	0.1A	±(2.0%rdg + 5dgt)	2000ADC/ACrms

AC (AC+DC) TRMS Current

Range	Resolution	Accuracy		Overload protection
		43 + 63Hz	10 + 43Hz, 63 + 400Hz	
0.5 + 999.9A	0.1A	±(2.0%rdg + 4dgt)	±(3.5%rdg + 5dgt)	2000VDC/ACrms

Max. Crest factor: 3

AC/DC Current – MAX/MIN/CREST

Range	Resolution	Accuracy	Response time	Overload protection
0.5 + 999.9A	0.1A	±(3.5%rdg + 5dgt)	1s	1000VDC/ACrms

Max. Crest factor: 3

Resistance and Continuity test

Range	Resolution	Accuracy	Buzzer	Overload protection
0.0Ω + 59.9kΩ	0.1Ω	±(1.0%rdg + 5dgt)	1Ω + 150Ω	1000VDC/ACrms x 60s

Frequency with test leads and jaws

Range	Resolution	Accuracy	Overload protection
10.0 + 99.9Hz	0.1Hz	±(1.0%rdg + 5dgt)	1000VDC/ACrms
100 + 400Hz	1Hz		2000ADC/ACrms

Voltage range for frequency measurement with test leads : 0.5 + 1000V / Current range for frequency measurement with jaws: 0.5 + 1000A

DC Power

Range [kW]	Resolution [kW]	Accuracy
0.00 + 99.99	0.01	±(3.0%rdg + 3dgt)
100.0 + 999.9	0.1	

Accuracy defined for: Voltage > 10V, Current ≥ 2A

Active, Reactive, Apparent Power

Range [kW, kVAR, kVA]	Resolution [kW, kVAR, kVA]	Accuracy
0.00 + 99.99	0.01	±(2.0%rdg + 3dgt) (*)
100.0 + 999.9	0.1	±(3.0%rdg + 3dgt) (**)

(*) Accuracy defined for: sinusoidal waveform 10..65Hz, Voltage > 10V, Current ≥ 2A, Pf: 0.5

(**)Accuracy defined for: sinusoidal waveform >65Hz, Voltage > 10V, Current ≥ 5A, Pf: 0.5



RAPID-TECH EQUIPMENT

For all your Test Equipment Requirements

1800 358 531
 Web www.Rapid-tech.com.au
 E-Mail info@rapid-tech.com.au

Active, Reactive Energy

Range [kWh, kVARh]	Resolution [kWh, kVARh]	Accuracy
0.00 + 99.99	0.01	$\pm(2.0\%rdg + 3dgt)$ (*)
100.0 + 999.9	0.1	$\pm(3.0\%rdg + 3dgt)$ (**)

(*) Accuracy defined for: sinusoidal waveform 10..65Hz, Voltage > 10V, Current $\geq 2A$, Pf: 0.5

(**) Accuracy defined for: sinusoidal waveform >65Hz, Voltage > 10V, Current $\geq 5A$, Pf: 0.5

Power Factor

Range	Resolution	Accuracy
0.20 + 1.00	0.01	$\pm 3^\circ$

Accuracy defined for: sinusoidal waveform 10..65Hz, Voltage > 10V, Current $\geq 2A$, Pf: 0.5

Accuracy defined for: sinusoidal waveform >65Hz, Voltage > 10V, Current $\geq 5A$, Pf: 0.5

Voltage / Current Harmonics

Harmonic order	Fund. Frequency[Hz]	Resolution [V], [A]	Accuracy
1 + 25	10 + 75	0.1	$\pm(5.0\%rdg + 5dgt)$
1 + 8	76 + 400		

Phase sequence indication and phase conformity with 1-wire (*)

Voltage range	Frequency range	Input impedance
100 + 1000V	40 + 70Hz	1.3M Ω

(*) On standard conditions: instrument correctly gripped, standard shoes, standard floor, etc

2. GENERAL SPECIFICATIONS

Internal memory and recording parameters conditions

Number of saved parameters:	60 parameters
Integration period (IP):	1, 5, 10, 30, 60, 120, 300, 600 or 900s programmable
Inrush current acquiring threshold:	programmable between 5A and 900A in steps of 1A
Inrush current detection modes:	Fix, Variable
Inrush current sample window acquiring:	1/1 (acquiring samples each half period) 1/2 (acquiring samples one half period every two) 1/4 (acquiring samples one half period every four)
Max number of saved events:	10
Max number of saved recordings:	20
Memory capacity:	2Mbytes
Recording autonomy:	approx. 2.1 days (@ 60 parameters & IP = 900s)
Interface to PC:	Bluetooth protocol

Radio module characteristics

Radio:	Bluetooth™ 2.00
Frequency:	2.4 GHz (2400-2483.5MHz)
Power:	Class 2
Baud rate:	57600 baud

Mechanical characteristics

Size:	252(L) x 88(La) x 44(H)mm
Weight (including battery):	420g
Max conductor size:	45mm

Supply

Battery type:	2 batteries 1.5V type AAA IEC LR03
Battery life:	approx. 53 hours of continuous use in power/energy measures
Auto Power Off:	approx. 5 minutes of idleness

Display

Characteristics:	graphic dot matrix, 128x128pxl with backlight
Sample rate:	128 samples/period (@ 50Hz)
Display update rate:	1 times/sec
Conversion mode:	TRMS



RAPID-TECH EQUIPMENT

For all your Test Equipment Requirements

1800 358 531

Web www.Rapid-tech.com.au

E-Mail info@rapid-tech.com.au