



TRMS

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 spots** 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, Capacity and Temperature** with K-type probe.

Functions

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

Main features

Display:	LCD, 4 digits, 6000 dots
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
Measurement category:	CAT IV 600V – CAT III 1000V
Insulation:	double insulation
Pollution level:	2
Size (LxWxH):	252x88x42mm
Weight (batteries included):	420g



Technical Specifications

DC voltage (Autorange)

- Measuring range: 3mV ÷ 1000V
- Basic accuracy: $\pm(1.0\% \text{reading} + 3 \text{digits})$

AC TRMS voltage (Autorange)

- Measuring range: 0.03V ÷ 1000V
- Frequency range: 50Hz ÷ 400Hz
- Basic accuracy: $\pm(1.0\% \text{reading} + 4 \text{digits})$

DC current

- Measuring range: 0.3A ÷ 1000A
- Basic accuracy: $\pm(2.0\% \text{reading} + 8 \text{digits})$

AC TRMS current

- Measuring range: 0.3A ÷ 1000A
- Frequency range: 50Hz ÷ 400Hz
- Basic accuracy: $\pm(2.8\% \text{reading} + 8 \text{digits})$

Resistance and Continuity test

- Measuring range: 3Ω ÷ 60MΩ
- Basic accuracy: $\pm(1.0\% \text{reading} + 5 \text{digits})$
- Buzzer: <50Ω

Frequency with clamp jaws and leads

- Measuring range: 0.5Hz ÷ 60kHz
- Basic accuracy: $\pm(1.0\% \text{reading} + 5 \text{digits})$

Capacity

- Measuring range: 0.2nF ÷ 4mF
- Basic accuracy: $\pm(2.5\% \text{reading} + 5 \text{digits})$

Temperature with K-type probe

- Measuring range: -20°C ÷ 760°C;
- Basic accuracy: $\pm(2.0\% \text{reading} + 3^\circ\text{C})$



Included accessories

YAAMK0000HTO	Pair of test leads
T10	Adapter for K-type wire probe
TK101	K-type wire probe
YABRS0000NNO	Soft carrying bag
	Batteries and user manual