

AC professional clamp meters 1000A in Autorange



HT7016 and HT7019 measure AC current up to 1000A completely in Autorange. They also measure DC current, AC/DC voltage, resistance, frequency and continuity. Thanks to the big jaws they can clamp cables and bars of considerable diameters. The large 3 3/4 LCD display (4000 points), with backlight and analogue bargraph permits an easy readability also in critical visual conditions. Complying with EN 61010-1, CAT IV – 600V and CAT III – 1000V.



HT7016

HT7019

TECHNICAL SPECIFICATIONS

Model	HT7016	HT7019
DC voltage		
Range	400 / 1000V	400 / 1000V
Accuracy	± (0.7% rdg + 2 dgt)	± (0.7% rdg + 2 dgt)
Input impedance	1MΩ	1MΩ
Overload protection	750V ACrms	750V ACrms
AC voltage		
Range	400 / 750V	400 / 750V
Accuracy	± (1.0% rdg + 5 dgt)	± (1.0% rdg + 5 dgt)
Input impedance	1MΩ	1MΩ
Overload protection	750V ACrms	750V ACrms
AC current		
Range	60 / 400 / 600A	60 / 400 / 1000A TRMS
Accuracy	± (1.9% rdg + 5 dgt)	± (1.9% rdg + 5 dgt)
Overload protection	600 Arms	600 Arms
Resistance		
Range	400Ω	400Ω
Accuracy	± (1.0% rdg + 3 dgt)	± (1.0% rdg + 3 dgt)
Overload protection	600 Vrms	600 Vrms
Frequency		
Range	20 – 400 Hz	20 – 400 Hz
Accuracy	± (0.1% rdg + 2 dgt)	± (0.1% rdg + 2 dgt)
Overload protection	1000 Arms	1000 Arms

Basic accuracy is indicated.

USE

HT7016 takes accurate measurements in urban and industrial environments while HT7019, thanks to the TRMS conversion method is ideal to solve typical problems occurring in industrial environments such as troubleshooting, non-linear loads, current measurements on neon lamps, frequency driven motors, PCs, or whenever waveforms are not fully sinusoidal.

FUNCTIONS

Model	HT7016	HT7019
• TRMS AC measurements		•
• Measurement of AC mean value	•	
• AC current	1000A	1000A
• AC voltage	750V	750V
• DC voltage	1000V	1000V
• Peak value of AC current and voltage	•	•
• Resistance	•	•
• Frequency	•	•
• Continuity test	•	•
• Autorange measurement	•	•
• Data Hold	•	•
• MIN, MAX function	•	•
• Relative measurement	•	•
• Backlight	•	•
• Analogue bargraph	•	•
• Low battery indication	•	•

GENERAL SPECIFICATIONS

Model	HT7016	HT7019
Display	3 3/4 digits, LCD, 3400 counts	3 3/4 digits, LCD, 3400 counts
Sample rate	1,5/s	1,5/s
Conversion mode	mean value	TRMS
Bargraph	•	•
Backlight	•	•
Overvoltage category	CAT IV – 600 V CAT III – 1000 V	CAT IV – 600 V CAT III – 1000 V
Pollution degree	2	2
Supply	2 battery 1.5V type LR03	1 battery 9V IEC6F22
Low battery indication	"⚡" symbol on the display	"⚡" symbol on the display
Battery life	600 h	200 h
Jaws opening	53 mm	53 mm
Max. conductor size	51 mm	51 mm
Dimensions	275x90x51mm	275x90x51mm
Weight	420g	420g

ACCESSORIES

Standard:

- couple of test leads
- carrying case
- user's manual (Italian – English – Spanish)
- batteries (inserted)