

HT7004

Rel. 1.00 of 30/05/17

Compact AC TRMS clamp up to 300A

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1. ELECTRICAL SPECIFICATIONS

Accuracy indicated as \pm [%reading + (number dgts * resolution)] at 23°C \pm 5°C, <80%RH.

AC TRMS CURRENT

Range	Resolution	Accuracy (50Hz \div 400Hz)	Overload protection
40.00A	0.01A	$\pm(2.8\%rdg+15dgt)$	300AACrms
300.0A	0.1A	$\pm(3.0\%rdg+15dgt)$	

For not sinusoidal waveforms the frequency range is: 50Hz \pm 60Hz

2. GENERAL SPECIFICATIONS

Display:

- LCD, 3 $\frac{3}{4}$ dgt, 4000 counts + decimal point + backlight

Features:

- Data HOLD
- AC voltage detection without contact (NCV): range 200V \div 1000V, 50/60Hz

Frequency rate:

- 3 times/s
- Conversion: TRMS

Environmental conditions:

- Working temperature/humidity: 0°C \div 50°C, <75%RH
- Storage temperature/humidity: -30°C \div 60°C, <90%RH

General characteristics:

- Max height of use: 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max diameter of conductor: 20mm

Power supply:

- 2 x 1.5V batteries type AAA LR03
- Battery life: ca 300h (with backlight), ca 750h (without backlight)
- Auto Power OFF: after 15min of idleness

Mechanical characteristics:

- Dimensions (L x W x H): 155 x 60 x 25mm
- Weight (included batteries): 140g
- Mechanical protection: IP30

Reference guidelines:

- Safety : IEC/EN61010-1, CAT III 300V, EMC: IEC/EN61326-1

This product conforms to the prescriptions of the European LVD directive 2014/35/EU and to EMC directive 2014/30/EU