



# FLASHMETERPRO

Rel. 1.00 of 04/12/24

Auto TRMS multimeter with integrated DC/AC current clamp

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## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as  $\pm$  [% reading + (number dgt \* resolution)] at 18°C  $\div$  25°C, <70%RH

### DC VOLTAGE (Autorange)

Range	Resolution	Accuracy	Input impedance	Oveload protection
400.0V	0.1V	$\pm(1.0\%rdg+5dgt)$	>10M $\Omega$	600VDC/ACrms
600.0V				

### AC TRMS VOLTAGE (Autorange)

Range	Resolution	Accuracy (*) (40Hz $\div$ 1kHz)	Input impedance	Oveload protection
400.0V	0.1V	$\pm(1.0\%rdg+5dgt)$	>9M $\Omega$	600VDC/ACrms
600.0V				

(\*) Accuracy specified from 5% to 100% of measurement range

Frequency range: 40Hz  $\div$  1kHz (sinusoidal waveform) ; 40Hz  $\div$  60Hz (not sinusoidal waveform)

### DC CURRENT (Autorange)

Range	Resolution	Accuracy	Oveload protection
10.00A	0.01A	$\pm(3.0\%rdg+15dgt)$	600VDC/ACrms
100.0A	0.1A	$\pm(3.0\%rdg+8dgt)$	

### AC TRMS CURRENT (Autorange)

Range	Resolution	Accuracy (*) (50Hz $\div$ 60Hz)	Oveload protection
10.00A	0.01A	$\pm(3.0\%rdg+15dgt)$	600VDC/ACrms
100.0A	0.1A	$\pm(3.0\%rdg+8dgt)$	

(\*) Accuracy specified from 5% to 100% of measurement range

Frequency range: 40Hz  $\div$  1kHz (sinusoidal waveform) ; 40Hz  $\div$  60Hz (not sinusoidal waveform)

### RESISTANCE (Autorange)

Range	Resolution	Accuracy	Oveload protection
40.0 $\Omega$	0.1 $\Omega$	$\pm(2.0\%rdg+18dgt)$	600VDC/ACrms
400.0 $\Omega$		$\pm(2.0\%rdg+10dgt)$	
4.000k $\Omega$	0.001k $\Omega$		
40.00k $\Omega$	0.01k $\Omega$		
400.0k $\Omega$	0.1k $\Omega$		

### CONTINUITY TEST

Function	Buzzer	Test current	Oveload protection
• ))	<40 $\Omega$	<0.3mA	600VDC/ACrms



## 2. GENERAL SPECIFICATIONS

### Display:

- LCD, 4 dgt, 4000 points plus sign and decimal point
- Automatic polarity indication
- Backlight
- "OL" overrange indication

### Features:

- Automatic detection of measurement functions (DC/AC Voltage, Resistance, AC/DC Current)
- Auto HOLD
- White light torch
- Detection AC Voltage without contact (NCV)

### Frequency rate:

- 3 times/s
- Conversion: TRMS

### Environment conditions:

- Working temperature/humidity: 0°C ÷ 50°C, <75%RH
- Storage temperature/humidity: -20°C ÷ 60°C, <80%RH

### General information:

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation

### Power supply:

- 2 x 1.5V batteries type AAA LR03
- Battery life: approx 80h (with backlight), approx 400h (without backlight)
- Auto Power OFF after 15 min of idleness

### Mechanical characteristics:

- Dimensions instrument (L x W x H): 140 x 80 x 45mm
- Dimensions clamp (L x W x H): 150 x 35 x 25mm
- Max cable diameter: 10mm
- Length cable of clamp: 1m
- Weight (included batteries): 325g
- Mechanical protection: IP67

### Reference guidelines:

- Safety : IEC/EN61010-1, CAT IV 600V (voltage), CAT III 600V (current), EMC: IEC/EN61326-1

This instrument satisfies the requirements of Low Voltage Directive 2014/35/EU (LVD) and of  
EMC Directive 2014/35/EU  
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU  
(WEEE)

