



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as $\pm [(\% \text{ reading} + (\text{number of dgt}) * \text{resolution})]$ at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $<75\% \text{HR}$

DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
0.000 ÷ 340.0mV	0.001mV	$\pm(1.5\% \text{rdg} + 4 \text{dgt})$	720VDC/AC for 10s
0.000 ÷ 3.400V	0.001V		
0.00 ÷ 34.00V	0.01V		
0.0 ÷ 340.0V	0.1V		
0 ÷ 600V	1V		

Impedenza di ingresso: $10 \text{M}\Omega$

AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 400Hz)	Overload protection
0.000 ÷ 3.400V	0.001V	$\pm(1.5\% \text{rdg} + 5 \text{dgt})$	720VDC/AC for 10s
0.00 ÷ 34.00V	0.01V		
0.0 ÷ 340.0V	0.1V		
0 ÷ 600V	1V		

Input impedance: $10 \text{M}\Omega$; Frequency range: 50Hz ÷ 400Hz

DC CURRENT (with integrated clamp sensor)

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 60.0A	0.1A	$\pm(2.0\% \text{rdg} + 5 \text{dgt})$	72A AC/DC for 10s

AC CURRENT (with integrated clamp sensor)

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 60.0A	0.1A	$\pm(2.0\% \text{rdg} + 5 \text{dgt})$	72A AC/DC for 10s

Frequency range: 50Hz ÷ 60Hz

RESISTANCE

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 340.0 Ω	0.1 Ω	$\pm(1.0\% \text{rdg} + 3 \text{dgt})$	720VDC/AC for 10s
0.000 ÷ 3.400k Ω	0.001k Ω		
0.00 ÷ 34.00k Ω	0.01k Ω		
0.0 ÷ 340.0k Ω	0.1k Ω	$\pm(5.0\% \text{rdg} + 5 \text{dgt})$	
0.000 ÷ 3.400M Ω	0.001M Ω	$\pm(15.0\% \text{rdg} + 5 \text{dgt})$	

CONTINUITY TEST

Range	Buzzer	Measurement range	Overload protection
•))	$R < 30\Omega \pm 10\Omega$	Buzzer on in 340 Ω range	720VDC/AC for 10s

FREQUENCY

Type of measure	Range	Accuracy	Resolution	Overload protection
Current	0 ÷ 10kHz	$\pm(0.1\% \text{rdg} + 1 \text{dgt})$	0.001k ÷ 0.01M	72A AC/DC for 10s
Voltage	0 ÷ 300kHz			720VDC/AC for 10s

Minimum measured current: 15A ; Minimum measured voltage: 30V



2. GENERAL SPECIFICATIONS

Display:

- LCD, 3 ¾ dgt, 3400 points plus sign, decimal point and bargraph
- Automatic polarity indication
- "OL" overrange indication

Features:

- Data HOLD
- Auto / Manual range
- Auto Power OFF after 10 minutes of idleness

Low battery indication:

- " **BATT** " appears when the battery voltage is low

Operating temperature:

- 0°C to 40°C, <75%HR

Storage temperature:

- -20°C to 60°C, <85%HR

General information:

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max diameter conductor: 6mm

Power supply:

- 2x1.5V alkaline batteries type AAA LR03 UM-4

Dimensions:

- 128(L) x 87(W) x 24(H)mm

Weight (included battery):

- 210g

Applied standards:

- Safety: IEC/EN61010-1, IEC/EN61010-2-031, IEC/EN61010-2-032
- Category of measurement : CAT III 300V , CAT II 600V

This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC

optec
energie ist messbar

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