



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as  $\pm$  [% reading + (number dgt \* resolution)] at 18°C ÷ 25°C, <75%HR

### DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
200.0mV	0.1mV	$\pm(0.5\%rdg+2dgt)$	> 1M $\Omega$	200Vrms
2000mV	1mV			
20.00V	0.01V			
200.0V	0.1V	$\pm(0.5\%rdg+4dgt)$	> 1M $\Omega$	500V DC/AC
500V	1V			

### AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 60Hz)	Input impedance	Overload protection
200.0V	0.1V	$\pm(1.2\%rdg+10dgt)$	> 1M $\Omega$	500V DC/AC
500V	1V			

### DC CURRENT

Range	Resolution	Accuracy	Overload protection
2000 $\mu$ A	1 $\mu$ A	$\pm(1.2\%rdg+2dgt)$	Fast Fuse 200mA / 600V
200.0mA	0.1mA	$\pm(1.5\%rdg+2dgt)$	

### RESISTANCE

Range	Resolution	Accuracy	Overload protection
200.0 $\Omega$	0.1 $\Omega$	$\pm(0.8\%rdg+4dgt)$	250Vrms < 15sec
2000 $\Omega$	1 $\Omega$		
20.00k $\Omega$	0.01k $\Omega$		
200.0k $\Omega$	0.1k $\Omega$		
2000k $\Omega$	1k $\Omega$	$\pm(1.5\%rdg+2dgt)$	

### BATTERY TEST

Range	Resolution	Accuracy	Overload protection
9V	10mV	$\pm(1.2\%rdg+2dgt)$	250Vrms < 15sec



## 2. GENERAL SPECIFICATIONS

### Display:

- LCD, 3 ½ dgt, 2000 points plus sign and decimal point
- Automatic polarity indication
- "OL" overrange indication

### Features:

- Data HOLD

### Low battery indication:

- "BAT" appears when the battery voltage is low

### Operating temperature:

- 0°C to 50°C, <70%HR

### Storage temperature:

- -20°C to 60°C, <80%HR

### General information:

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

### Power supply:

- 1x12V battery type MS21 / MN21
- Protection fuse: fast 200mA/600V, 5x20mm (mA $\mu$ A input)

### Dimensions:

- 105(L) x 50(W) x 25(H) mm

### Weight (included battery):

- 100g

### Applied standards:

- Safety : IEC/EN61010-1 CAT III 300V, CAT II 600V to ground
- EMC: IEC/EN60326-1

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

Optec AG | Guyer-Zeller-Strasse 14 | CH-8620 Wetzikon ZH

Telefon: +41 44 933 07 70 | Telefax: +41 44 933 07 77

E-Mail: info@optec.ch | Internet: www.optec.ch