



## 1. ELECTRICAL SPECIFICATIONS

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

### DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
200.0mV	0.1mV	$\pm(0.7\%rdg+3dgt)$	> 1M $\Omega$	200Vrms
2000mV	1mV			
20.00V	0.01V			
200.0V	0.1V	$\pm(1.0\%rdg+3dgt)$	> 1M $\Omega$	600V DC/AC
600V	1V			

### AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 60Hz)	Input impedance	Overload protection
200.0V	0.1V	$\pm(1.5\%rdg+12dgt)$	> 1M $\Omega$	600V DC/AC
600V	1V			

### DC CURRENT

Range	Resolution	Accuracy	Voltage drop	Overload protection
2000 $\mu$ A	1 $\mu$ A	$\pm(1.5\%rdg+3dgt)$	200mV	Fast Fuse 200mA / 600V
20.00mA	0.01mA			
200.0mA	0.1mA			
10.00A	0.01A	$\pm(2.5\%rdg+2dgt)$		Fast Fuse 10A / 600V

### RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
200.0 $\Omega$	0.1 $\Omega$	$\pm(1.2\%rdg+4dgt)$	<60 $\Omega$	250Vrms < 15sec
2000 $\Omega$	1 $\Omega$			
20.00k $\Omega$	0.01k $\Omega$			
200.0k $\Omega$	0.1k $\Omega$			
2000k $\Omega$	1k $\Omega$	$\pm(1.5\%rdg+2dgt)$		

### DIODE TEST

Function	Test current	Max. open voltage
	approx 1mA	approx 2.8V

### BATTERY TEST

Range	Resolution	Accuracy	Test current
1.5V	1mV	$\pm(1.5\%rdg+3dgt)$	100mA
9V	10mV		6mA



## 2. GENERAL SPECIFICATIONS

**Display:**

- LCD, 3 1/2 dgt, 2000 points plus sign and decimal point
- Automatic polarity indication
- Backlight
- "OL" overrange indication

**Features:**

- HOLD

**Low battery indication:**

- "BAT" appears when the battery voltage is low

**Operating temperature:**

- 0 °C to 50 °C, <70%RH

**Storage temperature:**

- -20 °C to 60 °C, <80%RH

**General information:**

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

**Power supply:**

- 1x9V battery NEDA 1604 IEC 6F22
- Battery life: ca 30h (backlight ON), ca 130h (backlight OFF)
- Protection fuses: fast 10A/600V, 5x20mm (**10A** input),  
fast 200mA/600V, 5x20mm (**mA $\mu$ A** input)

**Dimensions (L x W x H):**

- 150 x 70 x 48mm
- Mechanical protection: IP40

**Weight (included battery):**

- 255g

**Applied standards:**

- Safety : IEC/EN61010-1 CAT III 600V to ground
- EMC: IEC/EN61326-1

**This instrument satisfies the requirements of Low Voltage Directive 2014/35/EU (LVD) and of EMC Directive 2014/30/EU**

**This instrument satisfies the requirements of 2011/65/EU (RoHS) directive and 2012/19/EU (WEEE) directive**