

1. ELECTRICAL SPECIFICATIONS

Accuracy is calculated as \pm [% reading + (number of dgt) * resolution] at 18°C ÷ 28°C, <75%RH

MEASURED DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
0.01 ÷ 100.00mV	0.01mV	$\pm(0.02\%rdg + 4dgt)$	1M Ω	30VDC
0.001 ÷ 10.000V	0.001V			

GENERATED DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
0.01 ÷ 100.00mV	0.01mV	$\pm(0.02\%rdg + 4dgt)$	30VDC
0.001 ÷ 10.000V	0.001V		

MEASURED DC CURRENT

Range	Resolution	Accuracy	Overload protection
0.001 ÷ 24.000mA	0.001mA	$\pm(0.02\%rdg + 4dgt)$	max 50mA DC

GENERATED DC CURRENT (SOUR and SIMU features)

Range	Resolution	Accuracy	Percentage value	Overload protection
0.001 ÷ 24.000mA	0.001mA	$\pm(0.02\%rdg + 4dgt)$	0% = 4mA	max 30mA DC
-25.00 ÷ 125.00%	0.01%		100% = 20mA	
			125% = 24mA	

SOUR mode: 1k Ω @ 20mA ; SIMU mode → Loop voltage: 24V nominal, 28V maximum, 12V nominal

LOOP MODE

Range	Resolution	Overload protection
25VDC \pm 10%	Non specified	30VDC

2. GENERAL SPECIFICATIONS

Display:

Characteristics: 5 LCD, double display, sign and decimal point
Overload indication: "-OL-" at display

Power supply:

Rechargeable battery: 1x7.4/8.4V 600mAh Li-ION
Battery life: approx 8 hours (@ SOUR mode 12mA, 500 Ω)
approx 15 hours (@ MEAS mode)
Alkaline battery: 1x9V type NEDA1604, 006P, IEC6F22

Mechanical characteristics:

Dimensions (L x W x H): 195 x 92 x 55mm
Weight (included battery): 400g

Environmental conditions of use:

Reference temperature: 18°C ÷ 28°C
Working temperature/humidity: -10 ÷ 40°C / <75%RH
Storage temperature/humidity: -20 ÷ 60°C / <75%RH

Standard guidelines:

Safety: IEC/EN61010-1, CAT I 30V
Insulation: double insulation
Pollution degree: 2
Max height of use: 2000m

This product conforms to the prescriptions of the European Directive LVD 2006/96/EEC and EMC directive 2004/108/EEC