



1. ELECTRICAL SPECIFICATIONS

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

DC VOLTAGE (Measured and Generated)

Range	Resolution	Accuracy	Input impedance	Overload protection
0.01 ÷ 100.00mV	0.01mV	$\pm(0.02\%rdg + 2dgt)$	2M Ω , <100pF	30VDC
0.001 ÷ 10.000V	0.001V			

DC CURRENT (Measured and Generated)

Range	Resolution	Accuracy	Percentage value	Overload protection
0.001 ÷ 24.000mA	0.001mA	$\pm(0.015\%rdg + 4dgt)$	0% = 4mA	Fast fuse 125mA / 250V
-25.00 ÷ 125.00%	0.01%		100% = 20mA 125% = 24mA	

Source mode: 1000 Ω @ 20mA (battery voltage \geq 6.8V) ; 700 Ω @ 20mA (battery voltage within 5.8V and 6.8V)

Simulating mode: required loop voltage: 24V nominal, 30V maximum, 12V minimum

LOOP MODE

Range	Resolution	Accuracy	Overload protection
24V DC	Non necessary	$\pm 10\%$	30VDC

2. GENERAL SPECIFICATIONS

Display:

Characteristics: 5 LCD, sign and decimal point
Overload indication: "O.L" at display
Negative value indication: "-O.L" at display for the herewith values:
<-2mV [100mV], <-0.2V [10V], <-1mA [24mA]

Fuses:

Type of fuse: FF 125mA/250V, 5x20mm, 0.03kA

Power supply:

Battery: 1x9V alkaline NEDA1604, 006P, IEC6F22
Low battery indication: "⊖" symbol at display
Battery life: approx 4 hours (type 1604), 2 hours (type 006P)

Mechanical characteristics:

Dimensions (L x W x H): 190 x 89 x 42mm
Weight (included battery): 350g

Environmental conditions of use:

Reference temperature: 18°C ÷ 28°C
Working temperature: -10 ÷ 50°C
Working humidity: <75%HR
Storage temperature: -40 ÷ 60°C
Storage humidity: <75%HR

Standard guidelines:

Safety: IEC/EN61010-1
Insulation: double insulation
Pollution degree: 2
Max height of use: 3000m

This product conforms to the prescriptions of the European EMC directive 2004/108/EEC