

# Test 4

SIGNAL SIMULATOR & MULTIMETER HANDHELD  
FOR ANALOG SIGNALS



**NEW!**  
Ramp  
Generator  
on Up/Down  
Signals

**Input /  
Output  
0..21mA  
0..11V**

**Low  
Consumption  
OLED Display**

**Multifunction  
Encoder  
Button**

**Antislip  
Cover**

**Accuracy  
0.1%**

**Rechargeable  
Batteries**

**Multi  
Language  
Display**

***THE BEST ACCURACY AND RELIABILITY  
WITH AN USER FRIENDLY INTERFACE***

 **SENECA**  
www.seneca.it

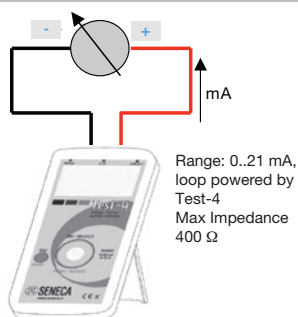
# Test 4

## SIGNAL SIMULATOR & MULTIMETER HANDHELD FOR ANALOG SIGNALS

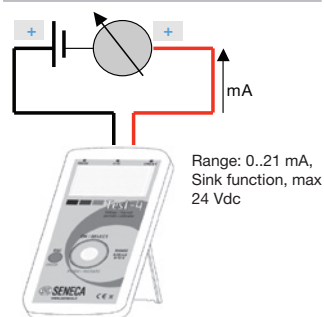
### CONNECTIONS

#### SIGNAL GENERATION

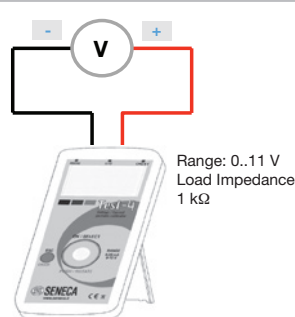
##### ACTIVE CURRENT



##### PASSIVE CURRENT

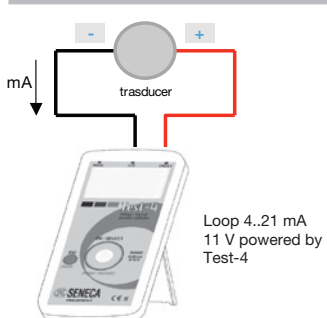


##### VOLTAGE

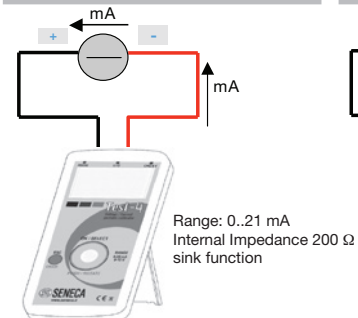


#### SIGNAL MEASUREMENT

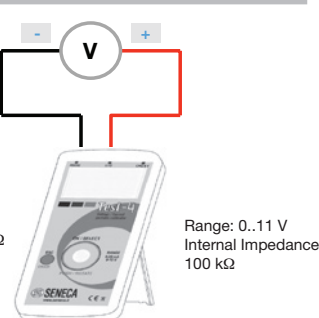
##### ACTIVE CURRENT



##### PASSIVE CURRENT

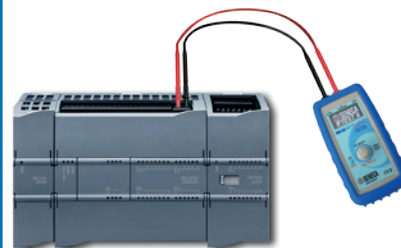


##### VOLTAGE



### APPLICATION NOTE

#### SIMULATION SIGNALS FROM THE FIELD



#### CALIBRATION PROCESS FOR SENSORS, ACTUATORS, TURNING, PLC, REGULATORS, ETC.



### TECHNICAL FEATURES

GENERAL DATA	
Power supply	2 NiMh AA type batteries, 2650 mAh Lifetime: 8 hours (min, max load), 20 hours (typical) 100-240 Vac with battery charger
Protection degree	IP 20
Operating temp.	0..50°C (recommended)
Humidity	30..90 % non-condensing
Dimensions	140 x 75 x 33 mm
Weight	250 g
Isolation	Battery powered, intrinsically isolated
Rejection	50-60 Hz
Frequency	10 Hz
Input / Output signals	Voltage measurement / generation : 0..11 V Current measurement / generation : 0..21 mA
Accuracy	0.1% for each type of input / output
Resolution	0.002 mA 0.001 V
Norms	EN61000-6-4; EN61000-6-2; EN61010-1

CONTROLS	
Buttons	ESC / ON/OFF – general navigator SELECT (rotation) – current / voltage variation SELECT (pressure) – coefficient variation (value* 10N, N=0,1,2,3)
Language	Italian, english, french, german, spanish
Contrast	15 levels
Screensaver	Display vertical scroll after 7 minutes inactivity Restart pressing ESC / ON / OFF button
Function menu	General setup (function mode selection, signal type, language, contrast, display, encoder sensitivity) Signal generator (voltage / current / passive current selection), Measure (voltage / current) Generation of currents and voltages in Ramp mode Setting
Errors display	<b>Over voltage</b> (V > 11 V) <b>Under voltage</b> (V < -0,2 V) <b>Over current</b> (> 21 mA) <b>Under current</b> (< -0,1 mA) <b>Blinking value</b> (signal generation fault)

#### SUPPLIED ACCESSORIES



INTERFACES	
Input / Output	2 mm diameter tips
Power supply	Battery charge connector, battery compartment on the back side, under the rubber cover
microUSB port	for next purposes

ORDER CODES	
Codes	Description
Model TEST-4	mV-V-mA generator & handheld meter
Options /T	Certificated ISO 9001 calibration service
Accessories TEST-4-PK	Precision probes set with adapters and crocodile terminals



Via Austria, 26 • 35127 Padova - (I) - Tel. +39 049 87.05.359  
Fax +39 049 87.06.287 • www.seneca.it • info@seneca.it

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