

# Multimeter & handheld configurator with OLED display

## Test-3

RS232 jack stereo connector for Z109REG2 (isolated universal converter) programming

Input for voltage (0-10 V) and current (0-20 mA)

Battery-charger connector NiMH 2650 mAh, life-time 20 hrs

Rubber boot

High definition OLED display, 15 contrast levels, 5 languages graphic menu

Accuracy: 0.1%

ESC – ON/OFF button

Multi-function encoder button (settings, generation, measure)



## 3 devices in 1

- **SIGNAL GENERATOR:** test on line, fault detection, simulation of analog signal controlled by industrial devices
- **SIGNAL MEASUREMENT:** calibration, linearization and start-up field instruments and sensors
- **CONFIGURATOR:** Programming for universal converter Z109REG2

# Test-3 Multimeter & handheld configurator with OLED display

## TECHNICAL DATA



### GENERAL DATA

<b>Power Supply</b>	2 NiMh batteries AA type, 2.650 mAh Lifetime: 8 hours (min, max load), 20 hours (typical) 220 Vac with battery charger
<b>Consumption</b>	Min 50 mA, max 300 mA 6 V, 300 mA stabilized
<b>Protection degree</b>	IP 20
<b>Operating temp.</b>	0..50°C
<b>Humidity</b>	30..90 % non condensing
<b>Dimensions</b>	140 x 75 x 33 mm
<b>Weight</b>	250 g
<b>Isolation</b>	Intrinsically safe
<b>Rejection</b>	50-60 Hz
<b>Frequency</b>	10 Hz
<b>I/O signals</b>	Voltage measurement / generation: 0-11 V Current measurement / generation: 0-21 mA Protection: $\pm 30$ V
<b>Accuracy</b>	0.1%
<b>Resolution</b>	0.002 mA 0.001 V
<b>Norms</b>	EN61000-6-4/2002; EN61000-6-2/2005; EN61010-1/2001; EN60742

### ORDER CODES

Codes	Description
<b>Model</b>	TEST-3 Voltage-current generator / meter and Z109REG2 configurator, rugged, non slip case, chargeable batteries, standard probes, battery charger, compact bag
<b>Options</b>	/T Certificated ISO 9001 NIST traceable calibration service
<b>Accessories</b>	TEST-3-PK Precision kit. Z109REG2 programming cable (3,5 mm stereo jack); precision probes set with adapters and crocodile terminals

### CONTROLS

<b>Buttons</b>	ESC / ON/OFF – general navigator SELECT (rotation) – current / voltage variation SELECT (pressure) – coefficient variation (value*10N, N=0,1,2,3)
<b>Language</b>	Italian, english, french, german, spanish
<b>Contrast</b>	15 levels
<b>Screensaver</b>	Display vertical scroll after 7 minutes inactivity Restart pressing ESC / ON / OFF button
<b>Functions menu</b>	General setup (function mode selection, signal type, language, contrast, display, encoder sensitivity) Signal generator (voltage / current / passive current selection) Measure (voltage / current) Z109REG2 programming
<b>Errors display</b>	<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)

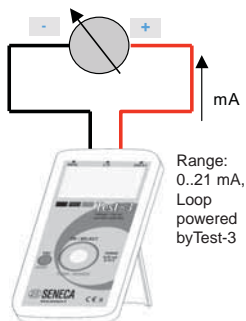
### INTERFACES

<b>Input / Output</b>	2 mm diameter probes
<b>Power supply</b>	Battery charge connector, battery on the back side
<b>Serial</b>	Stereo jack connector 3,5 mm, RS232 (COM), 9.600 bps, ModBUS RTU

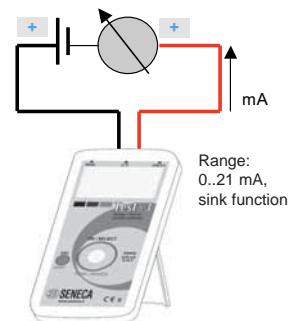
### CONNECTIONS

#### SIGNAL GENERATION

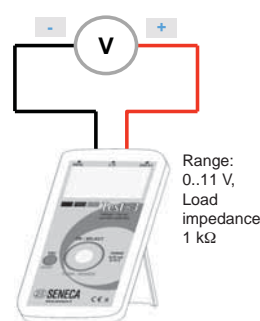
##### ACTIVE CURRENT



##### PASSIVE CURRENT

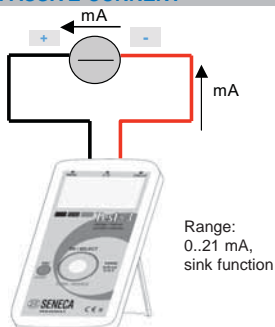


##### VOLTAGE

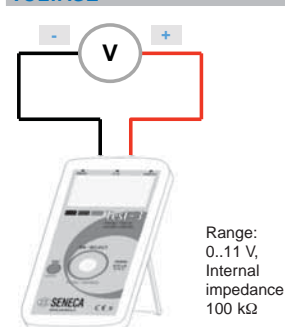


#### SIGNAL MEASUREMENT

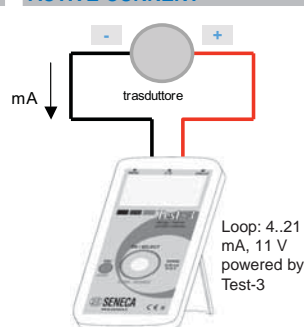
##### PASSIVE CURRENT



##### VOLTAGE

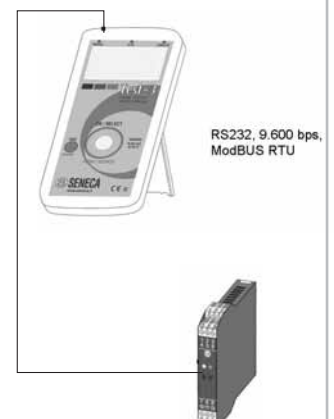


##### ACTIVE CURRENT



#### CONFIGURATION

##### Z109REG2 PROGRAMMING



Parameters setting and acquisition (input, alarm, output), settings multiple choice and numeric values (input type, min, max) on ModBUS registers.  
Connection by serial cable with 3,5 mm stereo mini jack terminal.