

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%

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

ESC – ON/OFF button



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

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TECHNICAL DATA



GENERAL DATA

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

INTERFACES

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

ORDER CODES

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

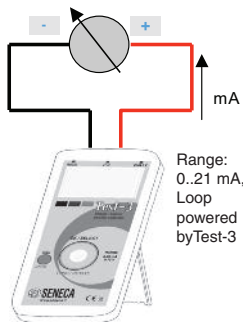
CONTROLS

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
Functions menu	General setup (function mode selection, signal type, language, contrast, display, encoder sensitivity) Signal generator (voltage / current / passive current selection) Measure (voltage / current) Z109REG2 programming
Errors display	Over voltage (V > 11 V) Under voltage (V < -0,2 V) Over current (> 21 mA) Under current (< -0,1 mA) Blinking value (signal generation fault)

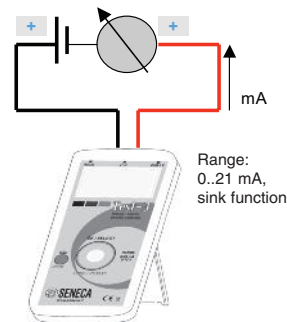
CONNECTIONS

SIGNAL GENERATION

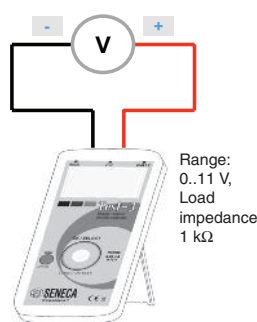
ACTIVE CURRENT



PASSIVE CURRENT

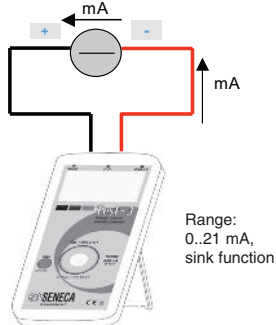


VOLTAGE

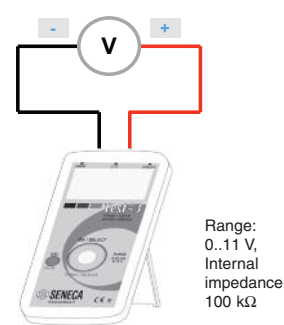


SIGNAL MEASUREMENT

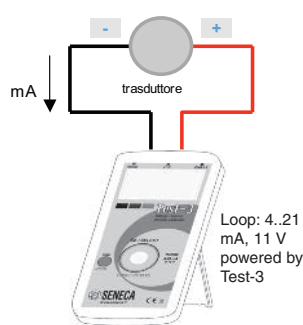
PASSIVE CURRENT



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.