

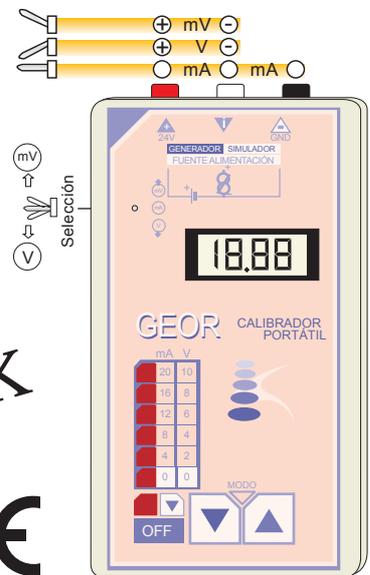
SIGNAL GENERATOR

0 - 4 / 20mA,

0 / 10V,

0 / 60mV

GEOR-LOOK



DESCRIPTION

The generator-simulator GEOR-LOOK is essential for the tune up, for instruments calibration, for replacement of equipment with failures, signal transmitters...

This tool has been designed for an easy use. The output signal is generated by a high precision digital-analogue converter. It has 3 working modes, as an autonomous generator, as a passive simulator and as a power supply.

The output signal can work, by steps, 0-4-8-12-16-20mA or in a continuous mode from 0 to 20mA. It needs 4 batteries R6 (AA) of 1,5V.

It has an unique characteristic that reduces the consumption adapting the output voltage depending the load value.

APPLICATIONS

It's perfect for the replacement of a 2 wire transmitter. Helps in the tune ups, due to it's able to generate enough signal, it can simulate parts of a process or parts of a failing process. It's exclusive continuous mode from 0 to 20mA makes possible to generate signal ramps of any kind of values and speed. in this case you can check it with a multimeter.

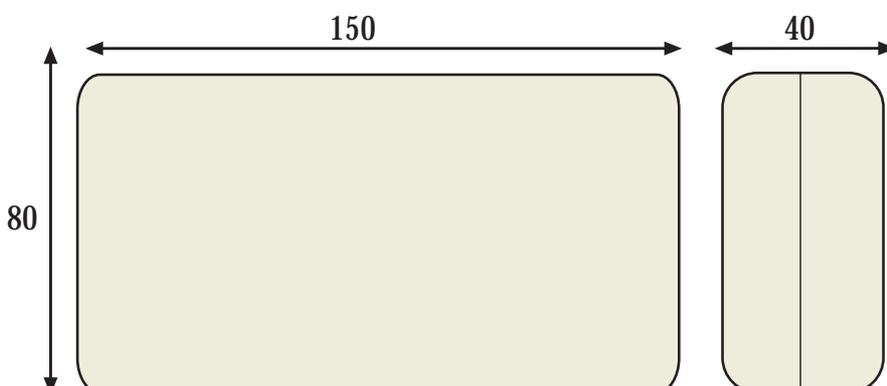
CHARACTERISTICS

- Precision 0,05%. 12 bits DAC.
- Impedance at max. load (0/20 mA) 1K.
- 4 batteries 1,5V type R6.
- Batteries life time 15 h, generating 12mA and a load of 0,1K.
- Open loop voltage 24 VDC.
- Output current 20 mA.
- Loop voltage (simulator mode) 4...40 VDC

HOW TO OPEN THE

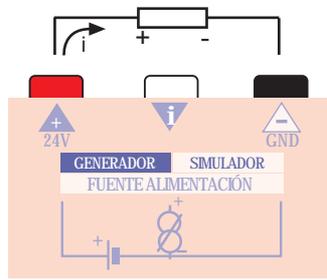
For batteries replacement or for instrument calibration, just make pressure in a side of the box and open it.

DIMENSIONS



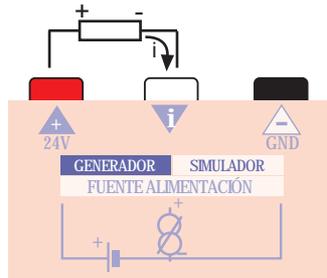
Body	Compact and lighth
Weigth	220/280 grs.
Box material	ABS
Dimensions	150x80x40mm.

F - 5 TYPES OF OUTPUTS / CONNECTIONS



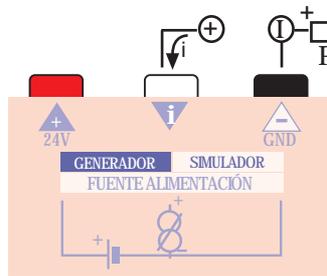
OUTPUT: POWER SUPPLY

- * Shortcutable
- * Max. Current. 20 mA



OUTPUT: GENERATOR I-V (ACTIVE)

- 0...20 mA. Gives the excit. to the loop
- 0...60 mV. Increments 0,015 mV
- 0...10V. Increments 0,25 mV



OUTPUT: SIMULATOR (PASSIVE)

- * Regulates the current with external supply
- * Loop voltage. 4...40 VDC
- * Consumption in simulation mode 60mW

CALIBRATION OF THE OUTPUT SIGNAL

With a multiturn adjustable, inside the box, you can calibrate the output signal.

PROTECTIONS

- * Shortcutable power supply.
- * Protection against polarity errors in the current loop.
- * Low batt. alarm

VARIATION OF THE LOOP CURRENT (Jumping/continuous mode)

With the keys **and** **rise** or lowers the loop current values.

* **Jumping mode:** You can choose fixed current values 0-4-8-12-16-20 mA. Is the preselected mode when the instrument is turned on.

* **Continuous mode:** The value changes continuously from 0 to 20mA. Mantening the key pressed the values change will be faster or slower.

* **Changing the mode:** To change from jumping mode to the continuous mode maintain both keys pressed till the signal advises from the mode change.

HOW TO TURN ON THE INSTRUMENT

- ON: Pushing the button **▲** the instrument starts working.
- OFF: In the jumping mode, and with 0mA in the output, push the button **▼** and you will see the OFF led for a while.
Is recommended to unplug while is not in use.

CONFORMS STANDARD AND DIRECTIVES

Electromagnetic Compatibility	2004 / 108 / CE
Low voltage for amb. industrial	2006/95/CEE
Electromagnetic emissions	UNE-EN 50081-2
Electromagnetic immunity	UNE-EN 50082-2
Waste electronics(WEEE)	2002 / 96 / CE