

S311G

4-DIGIT DIGITAL INDICATOR / SIGNAL GENERATOR WITH UNIVERSAL ANALOG INPUT

Highlights

- **Power Supply 80-265 Vac o 10-40 Vdc / 19-28 Vac**
- **4-digit LED display, high brightenss**
- **Analog Input: mA, V, Ohm, Anti-bumper filter**
- **Signal generator function**
- **Automatic / Manual operating mode**
- **Settings by front keys**

S311G is a digital indicator with analog input and voltage / current generator. There are 2 different operating modes. In automatic mode S311G measures an analog value and retransmits it to the output.
In manual mode a setpoint is turned into a generated value by the output.
In manual mode and switching from automatic to manual mode (or vice versa) it is available a signal attenuation feature (antibumper) in order to avoid actuator hammer or dangerous voltage / current surges.
S311G is a digital indicator with universal input including voltage, current and potentiometer.
The device is expandable with optional ModBUS board and allows programmable re-transmision of measured value on isolated analog output in voltage or current mode.

100% Made & Designed in Italy

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S311G



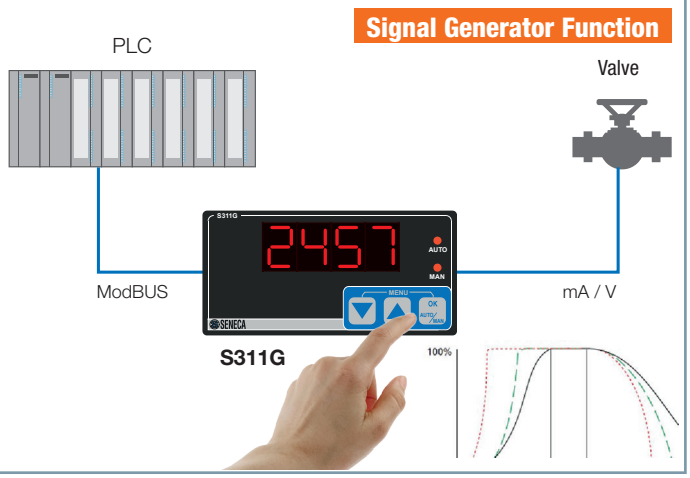
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DATI TECNICI

GENERAL DATA	
Power Supply	80-265 Vac (-H version) 10-40 Vdc / 19-28 Vac (-L version)
Power Transducers	Max 18 V, 25 mA
Max Consumption	1,5 W
Isolation	1.500 Vac
Noise rejection	50-60 Hz
Communication interface	RS485, ModBUS RTU, max 32 nodes (optional board)
Memory	Data memory, 10 years EEPROM
Operating temperature	-10..+60 °C
Case	PPO self-extinguish DIN 43700
Front protecion degree	IP65
Terminals	Removable, pitch 3,5 – 5,08 mm
Dimension	98,5x90,5x44,5 mm
Panel hole dimension	96,5x48,5 mm
Weight	200 g
Settings	Front keys, password protect access
Anti-bump filter	From 0 to 255 s
Calibration	Yes, factory setting
Manual Mode	Setpoint value visualization with output retransmission
Automatic Mode	Measured value visualization with output scaling and retransmission
Special functions	Manual / Automatic mode, signal generator, anti-bump filter
Norms	EN 61000-6-4, EN 61000-6-2, EN 61010
Approvals	CE
VISUALIZATION AND MEASUREMENT	
Display	4-digit LED, adjustable contrast
Status Indicators	2 LEDs (Automatic / Manual)
Fronte keys	3 control keys
Accuracy	0,1%
Stability	0,01%/K
Linearity	<0,1%
EMI	<1%
INPUT DATA	
Channels	1
Type	Voltage: 0-10 V (impedance 100kΩ) Current (active/passive): 0-20mA (impedance 20Ω) Potentiometer: 1..100kΩ (with 330Ω parallel resistor, exciting current 1,1mA)
Resolution	14 bit, 10.000 points
Sampling frequency	2 Hz
Response time	700 ms
OUTPUT DATA	
Channels	1
Type	Voltage: 0-10 V (min 1KΩ) Current (active/passive): 0-20 / 4-20 mA (max 500Ω)
Resolution	2µA / 1mV - 10.000 points

APPLICATION EXAMPLE

SIGNAL GENERATION – AUTO/MAN OPERATING MODE AND ANTIBUMPER FUNCTION



ORDER CODE

Code		Description
Model	S311G	Digital indicator - signal generator with universal analog input
Display	-4	4-digit LED
Power Supply	-L	10-40 Vdc / 19-28 Vac
	-H	80-265 Vac
Optional Board	-0	Modbus interface

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