

# S LINE - HIGH PERFORMANCE SOLUTION IN A COMPACT SIZE

## S311AK

Digital display, mA / V input

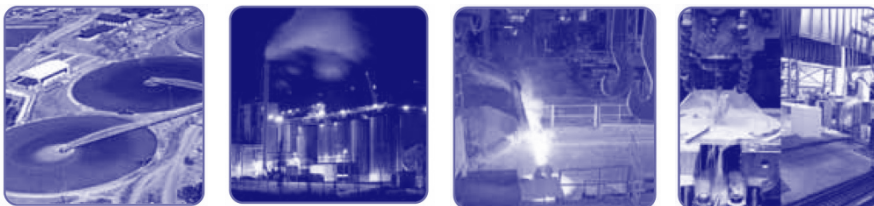


CE

High Accuracy  
A/D resolution  
Thermal Stability  
Input

Power Transducers  
Power Supply  
Setting  
Small dimensions  
Operating Temperature  
Special Version

Max error 0,05%  
16 bit  
0,005%/°K  
Voltage 0-10 V and current 0-20 mA, settable on different scales as (1-5 V, 4-20 mA, etc.)  
16 V, 25 mA  
10-40 Vdc, 19-28 Vac  
Front Key Buttons, protected by a password  
96 x 48 x 40 mm  
-10..+65 °C  
Available in IP66 housing too



➔ For further information, please visit [www.seneca.it](http://www.seneca.it)

# S311AK

Digital display, mA / V input



## ORDER CODE

**Model** **S311AK-L** 4 digits panel meter, mA/V analog input, power supply 10-40 Vdc, 19-28 Vac

**S311AK-L/IP66** Loop powered display, 4..20mA input (IP66 housing)

## TECHNICAL SPECIFICATIONS

### GENERAL FEATURES

<b>Power Supply</b>	10-40 Vdc, 19-28 Vac (50-60 Hz)
<b>Max consumption</b>	0,9 W
<b>Transducer Power Supply</b>	Max 16 V, 25 mA
<b>Galvanic Isolation</b>	1.500 Vac tra porta di misura e alimentazione
<b>ADC resolution</b>	16 bit (40.000 points)
<b>Memory</b>	EEPROM, 10 years

### DISPLAY AND MEASURE

<b>Display</b>	LED, 4 digits
<b>Front buttons</b>	3 (down, up, menù)
<b>Accuracy</b>	0,05%
<b>Thermal stability</b>	0,005%/°K
<b>Linearity</b>	0,05% (0-10 V, 0-20 mA)

### INPUT

<b>Channels</b>	1
<b>Range and type</b>	Voltage: 0-10 V (protection $\pm 30$ Vdc), imped. $\sim 25$ k $\Omega$ , ADC 16 bit, settable scales: 0-10, 1-5 V etc. Current: 0-20 mA (protection $\pm 25$ mA), imped. $\sim 20$ $\Omega$ , ADC 16 bit, settable scales 0-20, 4-20 mA etc.

### THERMOMECHANICAL FEATURES

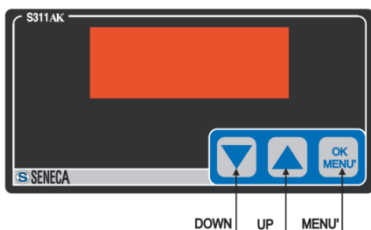
<b>Operating Temperature</b>	-10..+65°C
<b>Storing Temperature</b>	-30..+85°C
<b>Humidity</b>	Min 30%, max 90% (non condensing)
<b>Housing</b>	PPO autoextinguish, DIN 43700
<b>Protection degree</b>	IP65
<b>Terminals</b>	Screw terminals: 2 ways / 5,08 mm (power supply) 3 ways / 5,08 mm (input)
<b>Dimension (wxhxd)</b>	96 x 48 x 40 mm
<b>Hole dimension</b>	91x45 mm
<b>Weight</b>	200 g

### SETTINGS AND NORMS

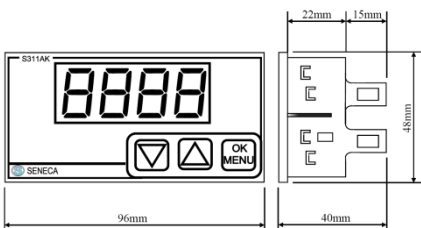
<b>Settings</b>	Password, input type, start / full electric scale, start /full display scale, decimal point, filter level
<b>Access protection</b>	Through password
<b>Conformity</b>	CE
<b>Norms</b>	EN 61000-6-4, EN 64000-6, EN 61010-1, EN 60742

## LAYOUT AND DIMENSION

### Buttons position (side part)

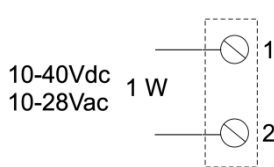


### Dimension

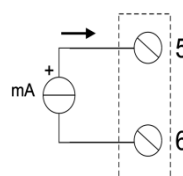


## ELECTRICAL CONNECTION

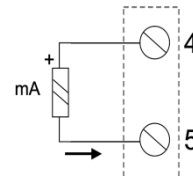
### Power supply



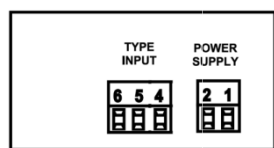
### Current input with external power supply



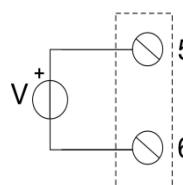
### Current input with power supplied by S311AK



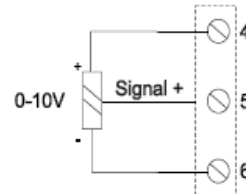
### Terminal block



### Voltage input



### Voltage input with power supplied by S311AK



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