

**Analog signal conditioner with high voltage/current output**  
**Analog signal amplifier**

**CAL 101L / CAL 140**



**• Application :**

valve control, positioner, actuators...  
 Voltage or current amplifier,  
 High magnitude signal conditioner

**• Output power up to 150VA**

**• Current or voltage output**

unipolar up to 80V / 5A  
 or bipolar up to +/- 30V / 5A

**• Fully protected**

short-circuit  
 overloads  
 thermal

**• 3-way galvanic insulation**

input / output / power supply

**• up to 20Khz of bandwidth on request**

Response time mini < 0.1ms



**This signal conditioners amplifiers are designed to control of actuators or motorized gate valves. They ensure the amplification, the scaling and isolation of control signal.**

*Device must be defined at order with : power supply, input signal, output signal, load, bandwidth.  
 This amplifier are manufactured and dedicated to each application.*

**CAL101L 10 Watts maxi**

- Output power: 10 Watts max
- Input V, mA, (unipolar or bipolar)  
0..4...20mA, 10..50mA, 0/10V, +/-10V,.....
- Output : voltage or current (unipolar or bipolar)  
10..50mA, +/- 50 mA, 0 ... 200 mA, +/-10V, +/-30V , 0...60V
- Response time : <10 ms typical
- Bandwidth : up to 20Khz
- 3 ways isolation : 1500Vac
- Power supply : 230 Vac , 24 Vdc  
Other on request : 125Vdc ,48Vdc, .....
- Din rail mounting



Request a quote

**CAL140 150 Watts maxi**

- Output power : 150 Watts max
- Input V, mA, (unipolar or bipolar)  
0..4...20mA , 0/10v, +/-10V,.....
- Output : voltage or current (unipolar or bipolar)  
0..200mA, +/- 500 mA, +/-30V , 0...1 A, +/-10V, 0..24V,...
- Response time : <10 ms typical
- Bandwidth : up to 20Khz
- 3 ways isolation : 1500Vac
- Power supply : 230 Vac , 24 Vdc  
Other on request : 125Vdc ,48Vdc, .....
- Din rail mounting
- optional Ventilated box for extended temperature range.



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**INPUT on request**

All process signals: 0/10V, 4/20mA, ....  
 Minimum impedance of the voltage input: >100 Kohms  
 Maximum impedance of the current input: <250 Ohms  
 2 wires transmitter supply possible

**OUTPUT on request**

Maximum output voltage : 60 Vdc, +/- 30V  
 Maximum output current : 10 Adc, +/- 5A  
 Accuracy range : +/- 0.4 %  
 bandwidth up to 20KHz

**POWER SUPPLY**

All type on request AC, DC  
 (24Vdc, 48Vdc, 230Vac, 125Vdc, ...)  
 Maximum consumption 100 VA ( CAL140)  
 Maximum consumption 25 VA ( CAL101L)

**ENVIRONMENT**

Operating temperature -10 °C to 45 °C  
 Storage temperature -20 °C to 85 °C  
 Humidity 85 % (not condensed)  
 Dielectric strength 1500 Vrms continuous

Weight 2000 g (CAL140)  
 300 g (CAL101L)

*Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE*

Immunity standard for industrial environments EN 61000-6-2		Emission standard for industrial environments EN 61000-6-4
EN 61000-4-2 ESD	EN 61000-4-8 AC MF	EN 55011 group 1 class A
EN 61000-4-3 RF	EN 61000-4-9 pulse MF	
EN 61000-4-4 EFT	EN 61000-4-11 AC dips	
EN 61000-4-5 CWG	EN 61000-4-12 ring wave	
EN 61000-4-6 RF	EN 61000-4-29 DC dips	



**WIRING AND OUTLINE DIMENSIONS:**

