

GENERAL CHARACTERISTICS

This series of pressure transmitters has been developed from the piezo-resistive technique to cover the majority of industrial applications when we have to measure the pressure of fluids with temperatures up to 200°C.

The application of this technology in the pressure transmitters is related to the deformation of the ceramic sensor in which four electrical resistances are recorded forming a Wheatstone bridge.

Therefore any deformation that takes place in the diaphragm due to pressure will unbalance the electronic circuit of high precision that will conform a normalized signal (4-20mAdc.) proportional to the pressure that supports the ceramic sensor..



TECHNICAL CHARACTERISTICS

	Minimal	Normal	Max.
Global error (linearity, hysteresis and repeatability)% FE	0,2	0,3	0,4
Sensitivity (span) mV / V FE	2,0	-	3,2
Resolution %FE	0,06	-	0,1
Working temperature °C	-25		+125
Response time	Less than 1,0 ms		
Isolation voltage between the sensor and any terminal	>2 KV		
Normalized output signal	4-20 mA (dc)		
Transmitter power supply	8..35 Vdc		
Output signal	Linear		
Protection	IP-65 Models XA, AN y FR IP-68 Models AL, MA y XI		
Electrical connection	By three-pole connector DIN 43650 ISO4400-6952 IP-65, by PG-7 cable gland or by watertight cable (in submersible models)		
Temperature	Process: -10..+200°C Environment: -5..+80°C		
Connection to process	1 / 2"		
Materials in contact with the fluid	Stainless steel		

This publication is not intended to lay the foundations of a contract and the company reserves the right to modify the design and specifications of the instruments without prior notice, in accordance with its policy of continuous development.

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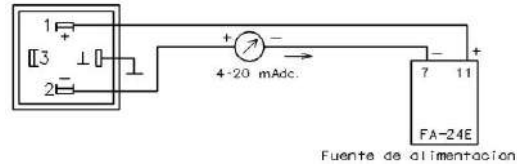
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Working ranges:

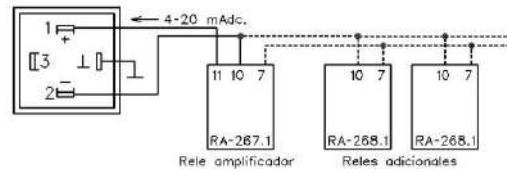
From 0...1bars to 0...1000 bars

6. CONNECTION

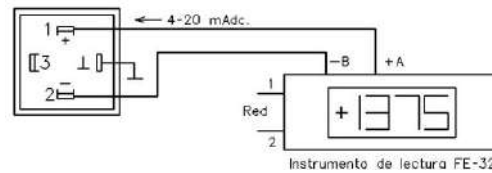
6.1 With a power supply



6.2 With amplifying relays



6.3 With a reading instrument



Modelo 650 : standard precision 0,5% connection 1/2" BSP

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