BQA100 Silicon Pressure Sensor

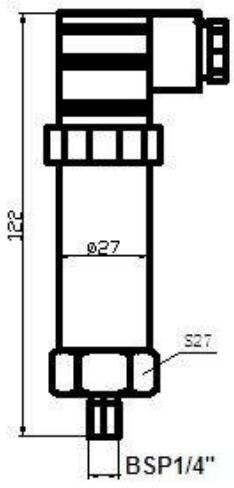
BQA100 silicon Pressure Sensor is designed for use in applications which deal with corrosive pressure media and require high accuracy. The pressure diaphragm of this transmitter is made from silicon material, while its wetted parts are made from 316L stainless steel which possesses a higher degree of resistance against chemical corrosion.

The output signals of BQA100 Pressure Sensors are configured to meet the need of different controllers used in industrial automation processes, including 4~20mA, 0~5V and 0~10V. With BQA one can obtain 0.25 %fso accuracy in measurement with long-term stability better than 0.15 %fso/year. The zero thermal drift is less than 0.04 %fso/°C, while the sensitivity thermal drift is 0.02 %fso/°C over the whole operating temperature range.

Specification:

measuring media	liquids compatible with 316LSS	
measuring range	Mpa	0-100
overload pressure	%FS	200
burst pressure	%FS	250
power supply	VDC	24
output signal		4~20 mA
zero offset	%FSO	1 maximum
accuracy	%FSO	±0.25
long-term stability of zero	%FSO/year	0.15
Load resistance	Ω	250~1150Ω (for 4~20 mA current loop)
storage temperature range	°C	-30~+80
operating temperature range	°C	-40~+120
process connection	thread	BSP1/4", male or customized
electrical connection	DIN 43650 connector	
environment protection	IP rating	IP 65
pressure membrane material	Silicon	
material of wetted parts	316L SS	
housing material	304 SS	

Dimension



Electrical connection 2wires,4-20mA output