

Pressure transmitter

BP93420D - II



Constructive characteristics

Sensor: Piezoresistive
Material in contact: AISI316L
Case : AISI304L
Protection: IP65 / IP67
Weight: 0,20 Kg
Process connection: G1/4 gas female,
other on request

Electrical Characteristics

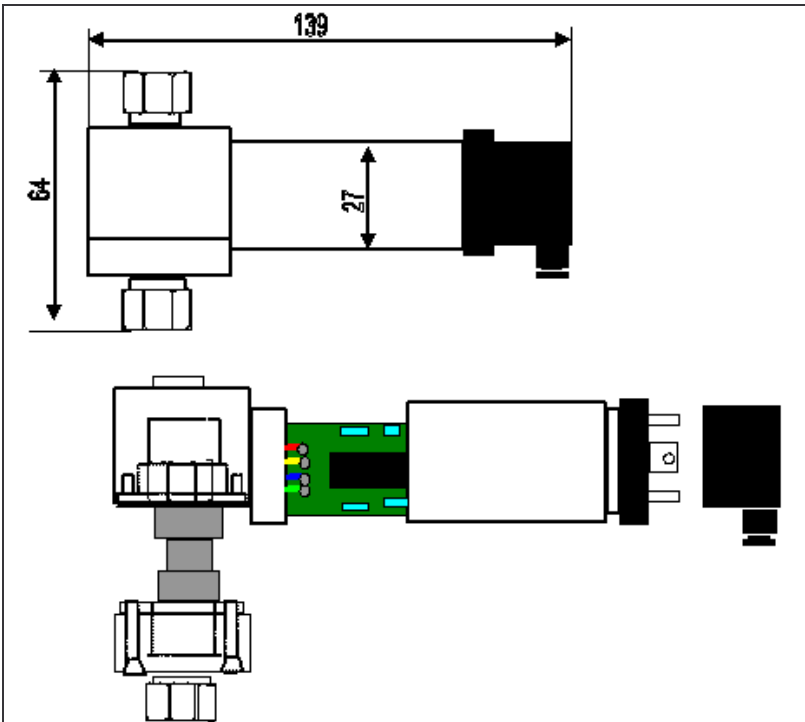
Output signal: 4..20 mA , 0..5 Vdc, 0..10 Vdc ,
other on request
Electrical connection: cables, DIN43650 ,
4 pole connector , other on request
Power supplier: 12...30Vdc (current)
15..30 Vdc (Voltage)
CE conformity: 89/336 CE (EN50082-1 e 2 EN50081-
1 e 2); 97/23/CE :3.3 Ps<200 bar cat 1 - Ps≥200 bar
Isolation resistance at 50 Vdc: >1000MΩ
Response time(10..90%): ≥10mS

Functional characteristics

Pressure range: 0...0,25 / 0...20 bar differential
Line static pressure: 100 bar
Sensor class (included linearity and hysteresis): 0,25%
Compensate temp. range: -20...+80°C (-4...+176°F)
Permitted temperature fluid: -20...+80 °C
(-4...+176°F)
Zero drift: ≤ typical : 0.05% fs/10K
Sensibility drift: ≤ typical : 0.05% fs/10K
Zero offset: ≤±0.5%FS
Max applicable pressure (without decay): 2 time FS
Resistance to bursting: 3 time FS



Mechanical dimensions



Electrical connections

	Terminal		
Power supply (output) 15..30Vdc (0..5-10 Vdc)	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc)	Red (+) Yellow or black (-) white (Out 0..5- 10Vdc)	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc)
Power supply (output) 09..30Vdc (4..20 mA)	Pin 1 (+) Pin 2 (-)	Red(+) o Yellow or black (-)	Pin 1 (+) Pin 2 (-)
Draws			



Order code	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Model BP93420D Special model	I	I														
Type of pressure differential	X	X	D													
Output signal 4 ... 20 mA (Two wires) 0..10 Vdc 0...5 Vdc Special model				1	1											
				2	2											
				3	3											
				X	X											
Process connections G ¼ gas female Special model						A	A									
				X	X											
Pressure range (bar)								0	1							
				0..0,25				1	0							
				0..0,5				1	1							
				0..1				1	1							
				0..2				1	2							
				0..5				1	3							
				0..6				1	4							
				0..10				1	5							
				0..20				1	6							
				Special model				X	X							
Accuracy										A	A					
				≤ ± 0.25 % FS						X	X					
				Special model												