

### Differential pressure transmitter 319D



**Features :**

- Pressure 0 ÷ 20bar, output 4÷20mA, 1÷5V or 1÷10V, adjustment SPAN and ZERO;
- BCM silicon pieze-resistive technology, are designed for gases or dilute liquids;
- Laser welded construction, rigid and robust, made from stainless steel;

**Technical specifications:**

Pressure medium	Gases or dilute liquids
Range	0÷0.1/0.2/0.5/1/2/5/10/20bar
Overload pressure	200% fs
Line pressure	0.05% fs/bar
Output	4÷20mA (2 wire), 1÷5V (3 wire), 0÷10V (3 wire)
Accuracy	0.25% fs (standard), 0.5% fs
Long – term stability	0.2% fs / year (range >0÷2bar ) , 0.5% fs/year other range
Power supply	15÷3Vdc
Isulation resistance	>50MΩ@100Vdc
Load resistance	250÷1100Ω for 4÷20mA ; > 5000Ω for 1÷5/10V
Temperature effect on ZERO	0.3% fs/10°C
Temperature effect on SPAN	0.3% fs/10°C
Mechanical shock	100g (<1% fs after 10ms)
Vibration	<1% fs (30÷200Hz/3g)
Response time	<1ms (10÷90% of leading edge)
Anti – explosive marking	Exia II CT6 (option)
Protection	IP 65 (connector 4-core DIN 43650), IP 66 (direct cable)
Process connection	G1/4 (standard), other on request
Electrical connection	DIN 43650 connector plug-in connector, 4-core PVC shield cable, 1.5m
Compensated temperature range	0÷50°C
Operating and storage temperature	-10÷80°C operati ng, -40÷120°C storage

Order code: 319D-□□□□□□□□□□□□□

Dimension (mm):

Range	01	0 – 0.1 bar
	02	0 – 0.2 bar
	05	0 – 0.5 bar
	1	0 – 1 bar
	2	0 – 2 bar
	5	0 – 5 bar
	10	0 – 10 bar
	20	0 – 20 bar
Output	I	4 – 20 mA
	II	1 – 5 V (3 wire)
	III	1 – 10 V (3 wire)
Accuracy	025	0.25% (standard)
	050	0.5%
Process conection	G1/4	G1/4 (standard)
	XXX	Other request
Electrical connection	0	Connector DIN 43650 (standard)
	1	Connector plug-in
	2	4-core PVC shield cable (1.5m)

