



PressGuard® DPT201 (Ex SIL)

Differential pressure transmitter optional for ATEX zones and SIL2/3

Article no. 1402/[Measuring range]/[Material]/
[ATEX requirement]/[SIL]/[Process connection]

Description of the

The PressGuard® DPT201 differential pressure transmitter for ATEX zones is specially designed for use in potentially explosive environments. With a SIL2/3 classification, it fulfils high functional safety requirements. The transmitter offers reliable measurements and high long-term stability. Thanks to its compact design, it is easy to install. Applications include the monitoring of liquids, gases and vapours.

Areas of application

Product highlights

- **Universal differential pressure transmitter** for industrial applications
- **High measuring accuracy and long-term stability**
- **Compact design** for installation in small spaces
- **LCD with backlight** can be rotated through 340
- Protection class **IP66**

The PressGuard® DPT201 is suitable for a wide range of industrial applications. It is often used in the process and chemical industries where precise monitoring of liquids, gases and vapours is required. Other applications include the oil and gas industry, power generation and water and wastewater treatment. In addition, the transmitter is used in the food and beverage industry to ensure safe and accurate pressure measurements.

General information

Medium	Gases, liquids
Device type	Differential pressure transmitter
Device type	Compact device
Differential pressure measuring range	freely adjustable, see table Measuring range
Measuring accuracy	±0.25%, others on request of the set measuring range
Media temperature	-30 ... 85°C
Temperature compensated range	-10 ... 70°C
Display	LCD with backlight, 340° rotatable
Protection class	IP66
Special features	0 ... 30 s adjustable damping

Outputs/inputs

Output signal	Analogue output, digital output
Analogue output specification	4 ... 20 mA
Digital output specification	HART 5 protocol

Mechanical data

Material of the housing	Aluminium, stainless steel
Process connection	Connection nipple for 6 mm hose connection
Housing dimensions:	133 x 132 x 153 mm

Electronic data

Power supply	11.5 ... 30 V DC
Electrical connection	Cable gland M20 x 1.5

Further information

ATEX certification	Exia(Da) II 1/2G, Ex ia IIC T4/T5 Ga/Gb II 1D, Ex ia IIIC T105°C Da, Ex ia IIC T4/T5 Ga/Gb, Ex ia IIIC T105°C Ex ia I Ma
SIL classification	SIL2/3

Order number

PressGuard® DPT201	1402/	-7-7/	SS/	Exia/	SIL/	G0.5
Messbereich						
0-25mbar		0 ... 25 mbar				
-2,5-2,5mbar		-2,5 ... 2,5 mbar				
-7-7mbar		-7 ... 7 mbar				
-25-25mbar		-25 ... 25 mbar				
-100-100mbar		-100 ... 100 mbar				
Material						
AL				Aluminium		
SS				Edelstahl		
ATEX-Certification						
-				no ATEX certification		
Exia		IIC T4/T5 Ga/Gb Ex ia IIC T4/T5 Ga/Gb		II 1/2G Ex ia		
Exia(Da)		1D Ex ia IIIC T105°C Da Ex ia IIC T4/T5 Ga/Gb Ex ia IIIC T105°C Ex ia I Ma		II 1/2G Ex ia		
Exd(2G)		II 2G Exia/db IIC T6/T5 Gb , II 2D Exia/t IIIC T85C/T100C Db				
SIL-Certification						
-				no SIL certification		
SIL				SIL2/3 certification		
Process-connection						
G0.5				G1/2-inch connector		
AN				Connection nipple for 6 mm hoses		

Dimensions

