



# ***PT700***

Product  
Information



*Experience In Motion*

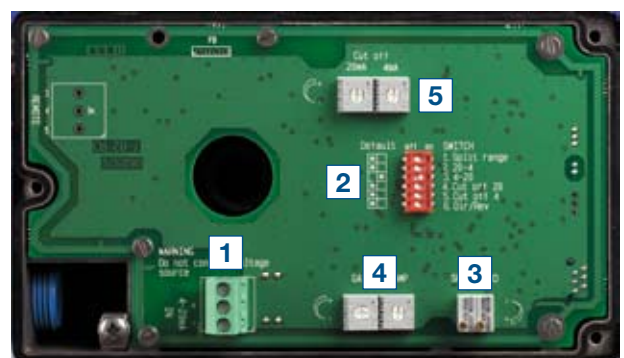


## PT700

PT700 is a transducer for 4-20 mA input signal and with a high volume output of up to 4 bar. The output is monitored via pressure sensors, this makes PT700 ideal for installation on spring return actuators.

- Up to 4 bar output
- Flexible mounting
- Fits Rotary & Linear actuators
- IP66/NEMA 4X enclosure
- Easy calibration
- Add on gauge module
- VDI/VDE 3845
- VDI/VDE 3847

1. 4–20 mA input signal
2. DIP switch configurator
3. Span/Zero adjustment
4. Gain adjustment
5. Cut off calibration




PT700

**Intrinsically safe:**

ATEX II 1 G EEx ia IIC T4



## Technical data

Input signal	4–20 mA
Split Range	4–12 mA, 12–20 mA
Current supply min	3,6 mA
Current supply max	100 mA
Load	300 Ohm at 20 mA
Voltage min	6 V DC
Voltage max	9,5 V DC
Air supply	1,5–6 bar
Out put	0–4 bar
Air supply quality	Free from oil, dust and moisture ISO 8573-1, Cl. 1,2
Ingress protection	IP66/Nema 4X
Operating humidity	0–95% rh
Air connections	¼" NPT
Cable entry	2 x ½" or M20 x 1,5
Terminals	Screw terminals 2,5 mm <sup>2</sup> (AWG 14)
Operating Temperature	-20°C to +85°C      -40°C to +85°C (optional)
Storing temperature	-40°C to +85°C
Air delivery capacity	7 Nm <sup>3</sup> /h @ 6 bar
Air consumption	0,12 Nm <sup>3</sup> /h @ 6 bar
Linearity	<1%
Sensitivity	<0,1%
Repeatability	<0,2%
Dead band	<0,1%
Hysteresis	<0,5%
Temp effect	<0,5%/10K
Mounting position	<0,25%
Vibration sensitivity	<1% at 1 & 2 g 3-300 Hz acc. IEC 61514
CE	84/336 EEC
Approvals	ATEX II 1 G  EEx ia IIC T4
Housing material	Die cast Aluminium
Surface treatment	Powder paint
Soft goods	Nitrile
Weight	1,5 kg



**Flowact**



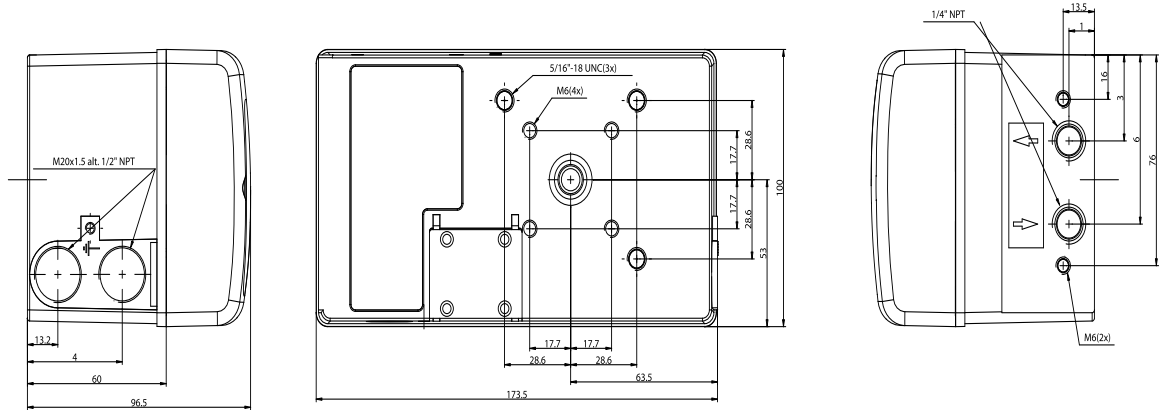
**VDI/VDE 3847**

**Modular**



**PT700 with optional mounting brackets and gauge block.**

## Dimensions (mm)



## Base Transducer Model

PT 7   -    -

PT 0 0 Standard, no approval

PT 1 5 Intrinsically safe, ATEX II 1 G EEx ia IIC T4

Mark your choice:

A=	Housing	
W	Flowserve: Aluminum, Black w/ white cover, no window	<input type="checkbox"/>
Y	Flowserve: Aluminum, Black w/ yellow cover, no window	<input type="checkbox"/>
B	Flowserve: Aluminum, Black w/ black cover, no window	<input type="checkbox"/>
B=	Threaded connections	
1	1/2 NPT conduit, 1/4 NPT pneumatic	<input type="checkbox"/>
2	M20 x 1,5 conduit, 1/4 NPT pneumatic	<input type="checkbox"/>
C=	Operating temperature	
S	Standard -20°C to 80°C (-4°F to 176°F)	<input type="checkbox"/>
E	Extended -40°C to 80°C (-40°F to 176°F)	<input type="checkbox"/>
D=	Gauge options	
0	No gauges	<input type="checkbox"/>
1	Output, PSI/BAR/KPA Stainless with brass internals	<input type="checkbox"/>
2	Output + Supply, PSI/BAR/KPA Stainless with brass internals	<input type="checkbox"/>
3	Output, PSI/BAR/KPA Stainless with stainless internals	<input type="checkbox"/>
4	Output + Supply, PSI/BAR/KPA Stainless with stainless internals	<input type="checkbox"/>

Mounting options		p/n	
A	Flowact Direct mounting	30144	<input type="checkbox"/>
B	VDI/VDE 3847 Direct mounting	30145	<input type="checkbox"/>
C	IEC 534-6 Namur linear mounting	30168S	<input type="checkbox"/>
D	Wall / 2" pipe mounting bracket	D3R-AS6	<input type="checkbox"/>



p/n: FCD PMENBR0009-02



**Hazardous Locations**

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