

# Pressure Transmitters



- Wetted parts are all made of stainless steel for high resistance to chemicals
- Stainless steel diaphragm welded with casing
- No seals and thus low leakage rate even with difficult gases
- High overpressure safety especially suitable for use in hydraulic systems
- Long working life even with high rates of pressure cycles
- Flexible voltage supply and current or voltage output signal for your control electronics
- High accuracy (0.5 % full scale) and reliability for secure process monitoring
- Very small size for compact subassemblies
- IP67 with robust connections for reliable wiring



## Technical Data

Type	0605	0610	0620
Output signal:	0.5 – 4.5 V ratiometrically	0 – 10 V (3-wire)	4 – 20 mA (2-wire)
Supply voltage $U_b$ :	5 VDC $\pm$ 10 %	12 – 32 VDC	12 – 32 VDC
Maximum load:	$\geq$ 4.7 k $\Omega$	$\geq$ 4.7 k $\Omega$	$\leq (U_b - 12 V) / 20$ mA
Current consumption (without load):	$\leq$ 10 mA	$\leq$ 15 mA	–
Pressure ranges $p_{range}$ :	-1 – 0 bar; 0 – 10 bar; 0 – 100 bar; 0 – 250 bar; 0 – 600 bar; 0 – 1000 bar 0 – 30"Hg; 0 – 145 PSI; 0 – 1450 PSI; 0 – 3625 PSI; 0 – 8700 PSI; 0 – 14500 PSI		
Accuracy:	$\pm$ 0.5% FS at room temperature		
Response time (10 – 90 %):	max. 2 ms		
Temperature range:	-40 °C – +125 °C -40 °F – +257 °F	-40 °C – +105 °C -40 °F – +221 °F	-40 °C – +100 °C -40 °F – +212 °F
Temperature drift:	approx. $\pm$ 0.2% / 10 K		
Mechanical life expectancy:	$10^7$ pulses up to nominal $p_{range}$		
Overpressure safety <sup>1)</sup> :	2 x $p_{range}$ up to 350 bar; 1.5 x $p_{range}$ up to 600 bar 2 x $p_{range}$ up to 5100 PSI; 1.5 x $p_{range}$ up to 8700 PSI		
Bursting pressure <sup>1)</sup> :	3 x $p_{range}$ up to 350 bar; 2 x $p_{range}$ up to 600 bar 3 x $p_{range}$ up to 5100 PSI; 2 x $p_{range}$ up to 8700 PSI		
Materials:	body material: 1.4301 diaphragm: 1.4301 (<500 bar / 7250 PSI); 1.4542 (>500 bar / 7250 PSI)		
Reverse polarity protection:	built in		
Protection according to DIN EN 60 529:	IP67 for M12x1 and DIN 72585; IP65 for AMP and DIN EN 175301-803 (DIN 43650)		
Weight:	approx. 100 g (DIN EN 175301 approx. 120 g)		
Vibration resistance:	20 g at 4 – 2000 Hz sine		
Max. length of connection cable:	30 m / 100 ft		
EMC Standards:	DIN EN 61000-6-2, DIN EN 61000-6-3		

<sup>1)</sup> Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.

### CE Marking

Directives of the  
European Council

**Machinery Directive,  
EMC Directive  
Low Voltage Directive  
ATEX Directive**

Equipment that falls under  
these directives must have  
a declaration of conformity  
and carry the CE marking.

SUCO transmitters  
comply with the EMC  
Directive 89/336/EC.

An EC Declaration of  
Conformity has been pre-  
pared for all products that  
fall under these directives  
and is kept on our premises.  
The catalog pages for  
the relevant products carry  
the CE marking.