


Description	Precision stainless steel pressure transducer for corrosive media in harsh environments. The transducer converts pneumatic pressures into electrical signals. Pressure to the unit is continuously monitored by a high-performance miniature silicon semi-conductor transducer and converted to a proportional voltage or current signal. Any liquid, gas or vapour compatible with 303 stainless steel.		
Media	13V to 30V DC (D6V) and 12V to 36V DC (D6A)		
Supply voltage	Zero pressure offset: 0V ± 0.15V	FS span: 10V ± 0.1V	Impedance: 50 W
Signal 0 to 10V	Zero pressure offset: 4 mA ± 0.15 mA	FS span: 16 mA ± 0.1 mA	Impedance: 0.1W
Signal 4 to 20 mA	Voltage version: 100 mW		
Consumption	Current version 200 mW		
Linearity	Protection class IP65 according to DIN 40 050		
Hysteresis	Supply effect < 0.05% FS / V of span and zero		
Repeatability	Outlet noise < 0.04% FS at 0<1<1kHz		
Temperature effect	Response time 1 ms at 10% to 90% range		
Long-term stability	Humidity limits 0 to 98% RH		
Vibration sensitivity	Shock resistance 50 g		
Temperature range	Housing 303 stainless steel		



**0.2% accuracy
for corrosive media**

Dimensions			Maximum pressure bar	Pressure range bar	Order number with outlet signal	
height mm	width mm	hex. mm			4 ... 20 mA	0 ... 10V

Pressure transducer G ¹ / ₂				gauge pressure with plug	D6A	D6V
142 50 27	2	0 ... -1 bar	0 ... -1 bar	D6A-V0	D6V-V0	
			-1 ... +1 bar	D6A-V1	D6V-V1	
			0 ... 1 bar	D6A-01	D6V-01	
			0 ... 2 bar	D6A-02	D6V-02	
			0 ... 5 bar	D6A-05	D6V-05	
			0 ... 10 bar	D6A-10	D6V-10	
			0 ... 16 bar	D6A-16	D6V-16	
			0 ... 20 bar	D6A-20	D6V-20	
159 50 27	50	0 ... 35 bar	0 ... 35 bar	D6A-35	D6V-35	
			0 ... 70 bar	D6A-70	D6V-70	
			0 ... 100 bar	D6A-D1	D6V-D1	
			0 ... 200 bar	D6A-D2	D6V-D2	
			0 ... 350 bar	D6A-D3	D6V-D3	
			0 ... 400 bar	D6A-D4	D6V-D4	

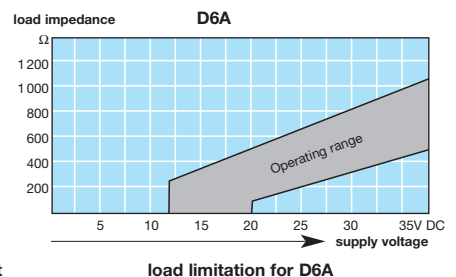
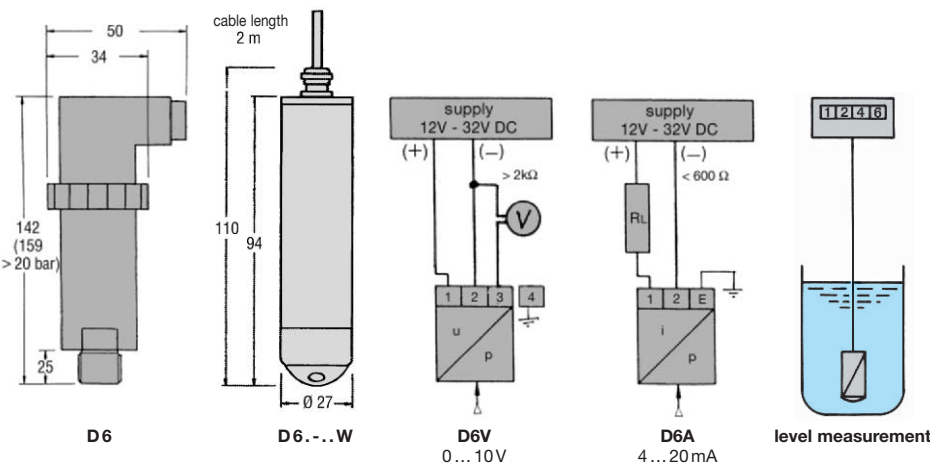


D6A-01 D6A-01F flush mounting

Special options	add the appropriate letter		
absolute pressure		A	D6 . . . A
special calibration	indicate on order	XX	D6 . -XX
for oxygen	clean	O	D6 . . . O
flush mounting	up to 20 bar, G ³ / ₄ , height 132, hex. 32	F	D6 . . . F
submersible version	for water, up to 10 bar, IP68, mit 2 m shielded cable	W	D6 . . . W
submersible version	for heating oil, up to 10 bar, IP68, mit 2 m shielded cable	H	D6 . . . H
G ¹ / ₄ thread	pneumatic connection	02	D6 . . . 02
protocol	per points of measurement	T	D6 . . . T



D6A-01W with cable submersible



For your information:	1 bar: 14.5 psi 1 psi: 0.069 bar	1 l/min: 0.035 scfm 1 scfm: 28.3 l/min	1 mm: 0.039 inch 1 inch: 25.4 mm	1 mbar: 0.4 inch H ₂ O 1 inch H ₂ O: 2.5 mbar	1 mbar: 0.01 m H ₂ O 1 m H ₂ O: 98 mbar
------------------------------	-------------------------------------	---	-------------------------------------	--	--

Order example:
D6V-10