


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	Current version	200 mW
Consumption	typ. < 0.2 % FS BSL	Protection class	IP65 according to DIN 40 050
Linearity	typ. < 0.2 % FS BSL	Supply effect	< 0.05% FS / V of span and zero
Hysteresis	typ. < 0.1 % FS	Outlet noise	< 0.04% FS at 0<1<1kHz
Repeatability	typ. < 0.02% FS / 0.05% FS max.	Response time	1 ms at 10% to 90% range
Temperature effect	typ. < 0.2 % FS	Humidity limits	0 to 98% RH
Long-term stability	- 40 °C to 100 °C / -40 °F to 212 °F operating temp.	Shock resistance	50 g
Vibration sensitivity	10 g at 5 to 500 Hz		
Temperature range	303 stainless steel		
Housing			



**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	D6A-V0	D6V-V0	D6A-V1	D6V-V1				
							2	0 ... 1 bar	D6A-01	D6V-01
							10	0 ... 5 bar	D6A-05	D6V-05
							30	0 ... 16 bar	D6A-16	D6V-16
							159 50 27	50	0 ... 35 bar	D6A-35
90	0 ... 70 bar	D6A-70	D6V-70							
				120	0 ... 100 bar	D6A-D1				
250	0 ... 200 bar	D6A-D2	D6V-D2							
				400	0 ... 350 bar	D6A-D3				
450	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

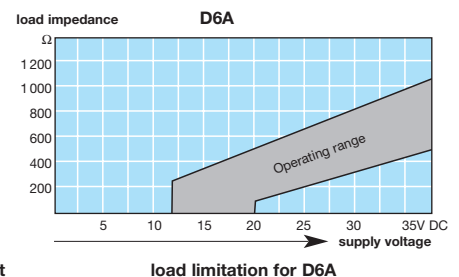


D6A-01W with cable
submersible

D6 **D6...W** **D6V** **D6A**

0 ... 10V 4 ... 20mA

level measurement



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

Order example:
D6V-10