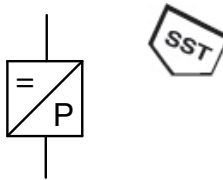


Description	The operating pressure is converted into a proportional, electrical signal by a silicon pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal.
Media	all media compatible with stainless steel 316L or 1.4404 D6.-..W: liquids compatible with stainless steel 316L, polyethylene and NBR/Buna-N D6.-..H: light and heavy heating oil
Supply voltage	13...30 V DC at voltage signal, 12...36 V DC at current signal, residual ripple 5%, reverse voltage protection plug according to DIN 43650A, contact gap 18 mm, 3-pin, with coupling socket
Electrical connector	4...20 mA: max. power consumption 260 mW 0...10 V: max. power consumption 100 mW
Output signal	
Linearity/Hysteresis	< 0.1 % FS typ.
Repeatability	< 0.1 % FS typ.
Long-term stability	< 0.2 % FS typ.
Temperature sensitivity	< 0.03% FS typ. per °C at 0 to 70 °C / 32 to 158 °F
Response time	1 ms for 10...90% of pressure range
Vibration resistance	10 g at 5...500 Hz
Mounting position	any
Material	Body/Diaphragm: stainless steel 316L/1.4404, Shock resistance 50 g D6.-..W: additionally polyethylene and NBR/Buna-N Protection class IP 65 according to DIN 40050 D6.-..W: additionally polyethylene and NBR/Buna-N Temperature range -40 to 100°C / -40 to 212°F



-1...350 bar, accurate to 0.5% compressed air or liquids

Dimensions			Over-pressure	Measurement	Order number	
B	Ø	A/F	max. bar	range	for output signal	
mm	mm	mm		bar	4-20 mA	0-10 V

Pressure transducer G $\frac{1}{2}$ male				stainless steel, gauge pressure with angular coupling socket		D6A	D6V
142	27	27	2	0... -1	D6A-V0	D6V-V0	
			2	-1... 1	D6A-V1	D6V-V1	
			2	0... 1	D6A-01	D6V-01	
			4	0... 2	D6A-02	D6V-02	
			10	0... 5	D6A-05	D6V-05	
			20	0... 10	D6A-10	D6V-10	
125	27	27	32	0... 16	D6A-16	D6V-16	
			40	0... 20	D6A-20	D6V-20	
			70	0... 35	D6A-35	D6V-35	
			140	0... 70	D6A-70	D6V-70	
			200	0...100	D6A-D1	D6V-D1	
			400	0...200	D6A-D2	D6V-D2	
			700	0...350	D6A-D3	D6V-D3	



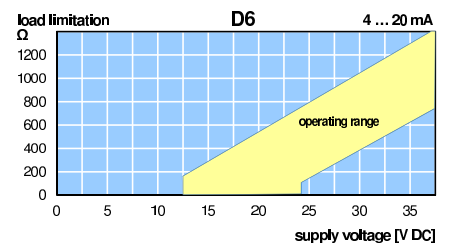
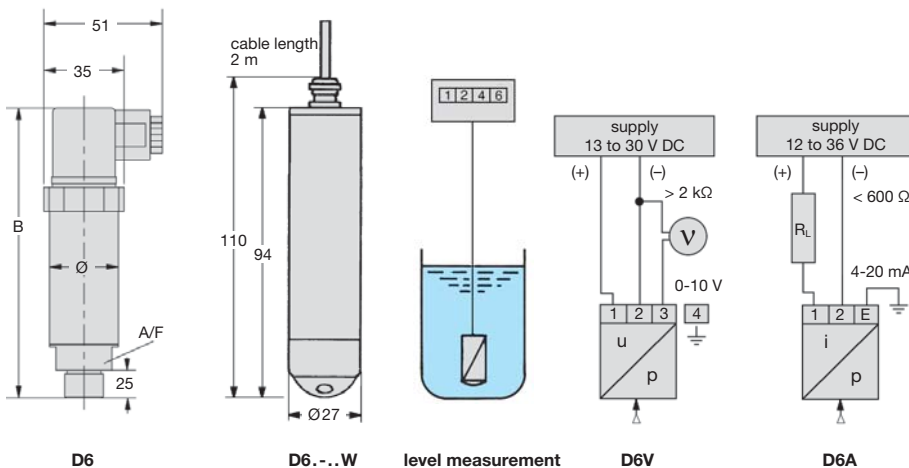
D6A-01 with male thread **D6A-01F** with flush-mounted stainless steel diaphragm

Special options, add the appropriate letter or number

deviant measurement range	to be indicated on order	D6.-..XX
absolute pressure range	lowest measurement range: 0...1 bar _{abs}	D6.-..A
G$\frac{1}{4}$ male	connection thread	D6.-..02
for oxygen	specially cleaned, max. 20 bar	D6.-..15
flush-mounted diaphragm	up to 16 bar, G $\frac{3}{4}$, height 132 mm, A/F 32 mm	D6.-..F
submersible sensor f. water	up to 10 bar, IP 68, with 2 m capillary cable -25 °C to 70 °C / -13 °F to 158 °F	D6.-..W
submersible sensor f. heating oil	up to 10 bar, IP 68, with 2 m capillary cable	D6.-..H




D6A-01W with cable



Test chart: see chapter "Technical information"

PDF CAD
www.aircom.net

 Order example:
D6A-V0