

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 DP6-..W: liquids compatible with stainless steel 316L, polyethylene and NBR/Buna-N DP6-..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	< 0.1 % FS typ. < 0.5 % FS
Linearity/Hysteresis	< 0.1 % FS typ. < 0.2 % FS
Repeatability	< 0.2 % FS typ. < 0.4 % FS
Long-term stability	< 0.03% FS typ. per °C at 0 to 70 °C / 32 to 158 °F, < 0.06% FS per °C at 0 to 70 °C / 32 to 158 °F
Temperature sensitivity	1 ms for 10...90% of pressure range
Response time	Shock resistance 50 g
Vibration resistance	Protection class IP 65 according to DIN 40050
Mounting position	Temperature range -40 to 100°C / -40 to 212°F
Material	Body/Diaphragm: stainless steel 316L/1.4404, DP6-..W: additionally polyethylene and NBR/Buna-N

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

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

Pressure transducer G $\frac{1}{2}$ m			SST, gauge pressure, with angular coupling socket	DP6A	DP6V	
142	27	27	2	0... -1	DP6A-V0	DP6V-V0
			2	-1... 1	DP6A-V1	DP6V-V1
			2	0... 1	DP6A-01	DP6V-01
			4	0... 2	DP6A-02	DP6V-02
			10	0... 5	DP6A-05	DP6V-05
			20	0... 10	DP6A-10	DP6V-10
			32	0... 16	DP6A-16	DP6V-16
165	27	27	40	0... 20	DP6A-20	DP6V-20
			70	0... 35	DP6A-35	DP6V-35
			140	0... 70	DP6A-70	DP6V-70
			200	0... 100	DP6A-D1	DP6V-D1
			400	0... 200	DP6A-D2	DP6V-D2
			700	0... 350	DP6A-D3	DP6V-D3



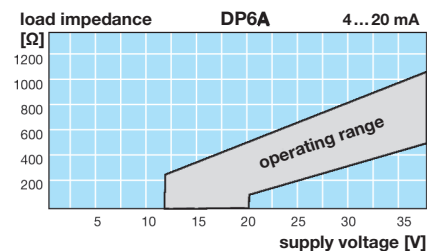
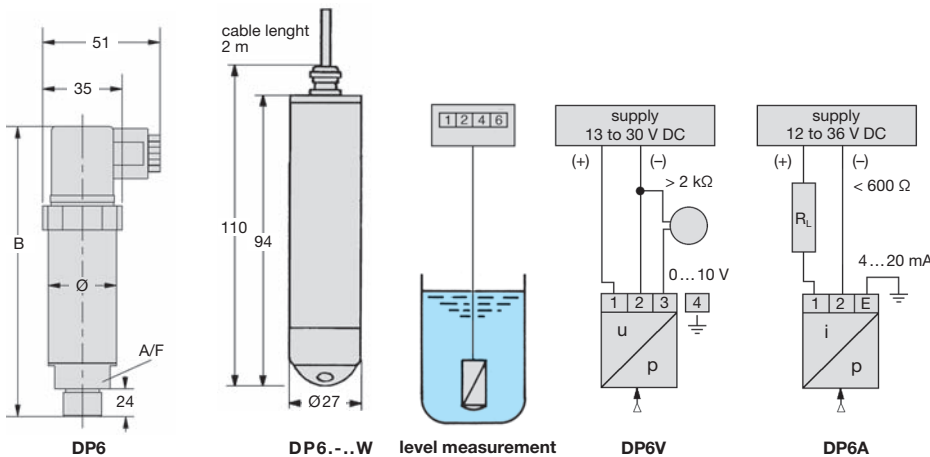
DP6A-01 with male thread **DP6A-01F** with flush-mounted SST diaphragm

Special options, add the appropriate letter

deviant pressure range	measurement range to be indicated in clear text	DP6. - XX
absolute pressure range	lowest measurement range: 0...1 bar _{abs}	DP6. - . . A
G$\frac{1}{4}$m	connection thread	DP6. - . . 02
for oxygen	specially cleaned, max. 20 bar	DP6. - . . 15
flush-mounted diaphragm	up to 16 bar, G $\frac{3}{4}$, height 132 mm, A/F 32 mm	DP6. - . . F
submersible sensor	for water up to 10 bar, IP 68, with 2 m capillary cable	DP6. - . . W
submersible sensor	for heating oil up to 10 bar, IP 68, with 2 m capillary cable	DP6. - . . H



DP6A-01W with cable



Order example:
DP6A-V0
China website: www.duray-control.cn