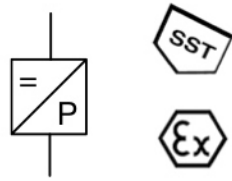


# DAA - DAV - Transmetteur de pression, haute températures, ATEX

<b>Description</b>	Pressure transducer in compact and robust stainless steel housing with piezo-resistive measuring element. Factory-made calibration of zero point and range is possible.
<b>Media</b>	compressed air, non-corrosive gases or liquids
<b>Overpressure</b>	max. 3x full scale, min. 3 bar, for DAA-D6 and DAA-E1 max. 1500 bar
<b>Supply voltage</b>	9...33 V DC at current signal, 15...30 V DC at voltage signal, residual ripple 5%, reverse voltage protection, short-circuit-proof
<b>ATEX version</b>	only current signal 10...30 V DC, max. 1 W, as per EN 50.014 / EN 50.020: 1974 A1...A5, Atex 2640-1
<b>Electrical connector</b>	plug according to DIN 43650, with coupling socket
<b>Output signal</b>	4...20 mA: max. power consumption 260 mW, 0...10 V: max. power consumption 50 mW
<b>Linearity/Hysteresis</b>	< 0.1% FS <b>Repeatability</b> < 0.1% FS <b>Long-term stability</b> < 0.1% FS, < 0.5% FS at version up to 500 mbar
<b>Temperature sensitivity</b>	< 0.02% FS per °C / K, < 0.06% FS at version up to 2 bar per °C / K, at range of 0 °C to 70 °C / 32 °F to 158 °F
<b>Response time</b>	< 0.1 % FS at version up to 500 mbar per °C / K, 1 ms for 10...90% of pressure range
<b>Vibration resistance</b>	10 g at 5...500 Hz
<b>Mounting position</b>	any
<b>Material</b>	Body/Diaphragm: stainless steel 316L, material no. 1.4435 O-rings: FKM, optionally EPDM



**-1...1000 bar, accurate to 0.1 %  
compressed air or gases**

Dimensions			Accuracy	Measurement	Order	Measurement	Order
B	Ø	A/F	%	range	number	range	number
mm	mm	mm		mbar/bar	4-20 mA	mbar/bar	4-20 mA

Pressure transducer				G½ male, SST, overpressure with angular coupling socket, 4-20 mA	DA
73	24	27	0.1	0... 50 mbar	<b>DAA-B5H</b>
				0... 100 mbar	<b>DAA-C1H</b>
				0... 160 mbar	<b>DAA-C2H</b>
				0... 250 mbar	<b>DAA-C3H</b>
				0... 400 mbar	<b>DAA-C4H</b>
				0... 600 mbar	<b>DAA-C6H</b>
				0... 1.0 bar	<b>DAA-01H</b>
				0... 1.6 bar	<b>DAA-02H</b>
				0... 2.5 bar	<b>DAA-03H</b>
				0... 4.0 bar	<b>DAA-04H</b>
				0... 6.0 bar	<b>DAA-06H</b>
					0... 10 bar <b>DAA-10H</b>
					0... 16 bar <b>DAA-16H</b>
					0... 25 bar <b>DAA-25H</b>
					0... 40 bar <b>DAA-40H</b>
					0... 60 bar <b>DAA-60H</b>
					0... 100 bar <b>DAA-D1H</b>
					0... 160 bar <b>DAA-D2H</b>
					0... 250 bar <b>DAA-D3H</b>
					0... 400 bar <b>DAA-D4H</b>
					0... 600 bar <b>DAA-D6H</b>
73	24	27	0.5		0... 1000 bar <b>DAA-E1</b>



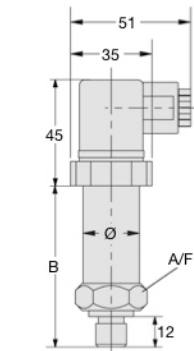
DAA-C1H DAA-C1EX



DAA-C1T

## Special options, add the appropriate letter or number

0-10 V output signal	not for Ex ATEX version	DAV- . .
deviant measurement range	to be indicated on order	DA. -XX
absolute pressure range	from 50 mbar on	DA. - . . A
vacuum	0... -1 bar	DA. - . . V
Ex-Atex version	Ex II 1G Ex ia IIC T6 4...20 mA only	DAA- . . EX
0.25 % linearity	for 100 mbar up to 600 bar	DA. - . . G
	for 1000 bar	DA. - E1G
-25 to +100 °C/-13 to 212 °F	media temperature compensated up to 85 °C / 185 °F / T4	DA. - . . S
-25 to +150 °C/-13 to 302 °F	media temperature compensated up to 85 °C / 185 °F / T3	DA. - . . T
flush-mounted diaphragm	connection thread G½, also for vacuum, up to 600 bar	DA. - . . F
G½ male	connection thread	DA. - . . 04
EPDM elastomer		DA. - . . E
silicone-free oil-refill		DA. - . . X32



version	B (mm)
standard	73
standard 150 °C	100
Ex	122
Ex, T3	149

