



## DAVS 300 / 3401 SA

Electronic Control Systems:Sensors:Pressure transducer

### Product description

Type	DAVS
Description	Pressure transducer 300 bar (4...20 mA)
Product description	<p>The PAT pressure transducers measure high static and dynamic pressure values of liquids or gases in rough operating environments. Measuring precision is maintained even during continuous operation at extremely dynamic pressure. The current interface makes a simple integration of the pressure transducers into existing systems possible.</p> <p>Applications:These pressure transducers are preferably used as part of a PAT load moment indicator system or PAT control system in hydraulic systems for cranes. Since the pressure transducers are suitable for rough environments, they also offer an ideal solution for control and automatic control applications in hydraulic systems of construction equipment, and conveyor and lifting equipment.</p>
Order No.	606652 - 44 300 06 3401

### Technical data

Standards	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Operating voltage	10 ... 32 V DC
Current consumption	25 mA max.
Measuring range	0 ... 300 bar
Overrange limit	800 bar
Signal output	4 ... 20 mA, override and short circuit protection
Accuracy	< $\pm 0,25$ % FS typ. / < $\pm 0,5$ % FS max.
Temperature comp. zero point	< $\pm 0,08$ % FS/10K typ. / < $\pm 0,15$ %FS/10K max.
Temperature comp. over range	< $\pm 0,08$ % FS/10K typ. / < $\pm 0,15$ %FS/10K max.
Linearity	< $\pm 0,3$ % FS max. (at max. setting to DIN16086 )
Hysteresis	< $\pm 0,1$ % FS max.
Mechanical connection	G 1/4"-A (DIN 3852), with nozzle 0,5 mm
Electrical connection	M12 x 1 (pin)
Material	stainless steel housing
Material in contact with media	stainless steel, Viton sealing
Mounting position	any
Weight approx.	0,15 kg

### Environmental conditions

Operating temperature	-40 ... +85 °C
Storage temperature	-40 ... +100 °C
Degree of protection (IP)	IP 67 (according to DIN 40050)
Saltwater-proof	yes

### Accessories

Wiring	532726 - cable adaptor 0.3m, M12x1 <> Cannon 3-pol.
Options	532674 - hydraulic adaptor G 1/4"-I <> M16 x 1.5 -I -EOL 532675 - hydraulic adaptor G 1/4"-I <> M16 x 1.5 -A -EOL 532676 - hydraulic adaptor G 1/4"-I <> M30 x 2 -A -EOL 532677 - hydraulic adaptor G 1/4"-I <> M30 x 2 -A -DKA

### Drawing

