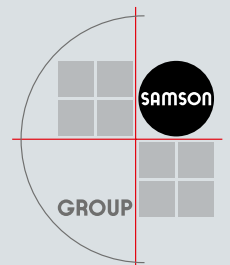


The universal solution

Type 3730-1 Positioner

samson

- Arbitrary mounting position
- Automatic operating mode or manual operation on site
- For safety-instrumented systems up to SIL 3 (IEC 61508)
- Automatic self-calibration
- Simple one-knob operation
- Rotatable display
- Limit switches



Technical data

Travel	Attachment to Type 3277 Actuator: 3.75 to 30 mm (0.1 to 1.2 in.) Attachment acc. to IEC 60534-6 (NAMUR): 3.75 to 200 mm (0.1 to 7.9 in.) Attachment acc. to VDI/VDE 3845: opening angle $\leq 100^\circ$
Reference variable w	4 to 20 mA, split-range operation, reverse polarity protection, tight-closing function
Minimum current	3.7 mA
Load	300 Ω
Supply air	1.4 to 7 bar (20 to 105 psi)
Signal pressure (output)	0 bar up to supply pressure, can be limited by software
Characteristic	Adjustable, deviation $\leq 1\%$
Hysteresis	$\leq 1\%$
Sensitivity	$\leq 0.1\%$
Direction of action	Reversible
Air consumption	Independent of supply air approx. 110 l _v /h (0.06 ft ³ /min)
Influence of vibration	$\leq 0.25\%$ up to 2000 Hz and 4 g acc. to IEC 770
Explosion protection	⊗ II 2 G EEx ia IIC T6 and II 2 D IP 65 T 80 °C ⊗ II 3 G EEx nA/nL II T6 and II 3 D IP 65 T 80 °C FM/CSA, IECEx
Degree of protection	IP 66/NEMA 4X
Binary contacts	2 software limit switches
Options	Inductive limit switch (also for retrofitting), stainless steel housing

