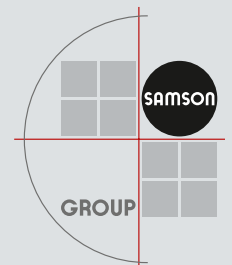


Effectively Simple

Type 3730-0 Positioner



- Arbitrary mounting position
- SAMSON standard travels saved
- Other travels selectable using potentiometer
- For safety-instrumented systems up to SIL 3 (IEC 61511)
- Tight-closing function activated using a DIP switch
- Fast analog control loop
- 300 Ω load



Technical data

Travel	Attachment to Type 3277 Actuator: 5.3 to 30 mm Attachment acc. to IEC 60534-6 (NAMUR): 5.3 to 200 mm
Reference variable w	4 to 20 mA, split-range operation, reverse polarity protection
Minimum current	3.6 mA
Load	300 Ω
Supply air	1.4 to 7 bar (20 to 105 psi)
Signal pressure (output)	0 bar to capacity of supply pressure, can be limited by DIP switch
Characteristic	Linear, deviation ≤ 1 %
Hysteresis	≤ 1 %
Sensitivity	≤ 0.1 %
Direction of action	Reversible, adjusted using DIP switch
Air consumption	Independent of supply air approx. 110 l _n /h (0.06 ft ³ /min)
Influence of vibration	≤ 0.25 % up to 2000 Hz and 4 g acc. to IEC 770
Explosion protection	⊕ II 2 G EEx ia IIC T6 or II 2 D IP 66 T 80 °C ⊕ II 3 G EEx nA/nL II T6 and II 3 D IP 54/65 T 80 °C FM/CSA, JIS
Degree of protection	IP 66/NEMA 4X
Operation	Configuration using DIP switches Zero and span adjusted using potentiometer Pneumatic output can be throttled
Amplification	Preset; can be adapted to small actuators
Option	Stainless steel housing

