

Operation made simple

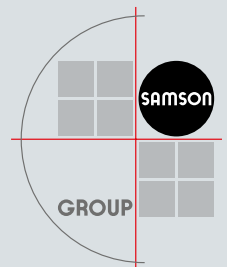
Type 3730-2 and 3730-3 Positioner



- Arbitrary mounting position
- Easy single-knob operation
- Turnable display
- EXPERTplus including PST
- SIL 3 (IEC 61508)
- Four start-up modes
- Small loads



HART
COMMUNICATION PROTOCOL



Technical data

Travel	Attachment to Type 3277 Actuator: 3.6 to 30 mm (0.1 to 1.2 in) Attachment acc. to IEC 60534-6 (NAMUR): 3.6 to 200 mm (0.1 to 7.9 in) Attachment acc. to VDI/VDE 3845: $\leq 180^\circ$ opening angle
Reference variable w	4 to 20 mA, split-range operation, reverse polarity protection
Minimum current	3.6 mA for display 3.8 mA for operation
Load	Type 3730-2: non-Ex version 300 Ω , Ex version 350 Ω ; Type 3730-3: with HART® communication: 410 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 software
Characteristic	Adjustable, deviation $\leq 1\%$
Hysteresis	$\leq 0.3\%$
Response	$\leq 0.1\%$
Transit time	Separately adjustable up to 240 s for venting and filling
Direction of action	Reversible, adjustment by software
Air consumption	Independent of supply air approx. 110 l _n /h (0.06 ft ³ /min)
Effect of vibration	$\leq 0.25\%$ up to 2000 Hz and 4 g acc. to IEC 770
Communication	All parameters can be adjusted on site SAMSON SSP interface (TROVIS-VIEW) HART® protocol (Type 3730-3)/certified DTM file acc. to Specification 1.2
Explosion protection	⊗ II 2 G EEx ia IIC T6 or II 2 D IP 65 T 80 °C ⊗ II 3 G EEx nA/nL II T6 or II 3 D IP 65 T 80 °C FM/CSA, IECEx, JIS, NEPSI
Options	Inductive limit switch, binary input, integrated solenoid valve, stainless steel housing, sensor for internal valve leakage, analog position transmitter, external position sensor
Degree of protection	IP 66/NEMA 4X
Binary contacts	1 fault alarm contact 2 software contacts

