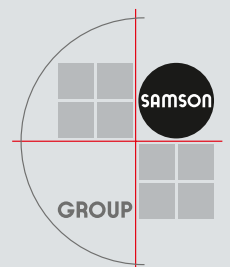


# A smart choice




## Type 3731-3 Explosion-proof Positioner



- Autostart routine
- Configurable on site in hazardous areas
- Any mounting position possible on all pneumatic actuators
- HART® communication and additional SAMSON SSP serial interface
- Integrated EXPERTplus valve diagnostics with partial and full stroke tests
- For safety-instrumented systems up to SIL 3 (IEC 61508),  
safety shutdown  $\leq 3.85$  mA



# Technical data

Travel Attachment to Type 3277 Actuator Attachment acc. to IEC 60534-6 (NAMUR) Attachment acc. to VDI/VDE 3845	3.6 to 30 mm (0.1 to 1.2 in.) 3.6 to 200 mm (0.1 to 7.9 in.) 24 to 100° angle of rotation
Reference variable w	4 to 20 mA, polarity insensitive, minimum span 4 mA
Minimum current	3.6 mA, positioner moves to fail-safe position $\leq 3.8$ mA
Load	$< 450 \Omega$
Supply air	1.4 to 6 bar (20 to 90 psi)
Signal pressure (output)	0 bar up to capacity of supply pressure, limitable by software
Characteristic	Nine characteristics installed, user-definable in operating software, deviation $\leq 1 \%$
Air consumption	Independent from supply air, approx. 110 l <sub>n</sub> /h (0.06 ft <sup>3</sup> /min)
Connections	Electrical: ½ NPT or M20 x 1.5, separate terminal compartment in increased safety or explosion-proof enclosure factory sealed for CSA/FM Pneumatic: ¼ NPT or G ¼
Communication	All parameters adjustable on site SAMSON SSP interface (TROVIS-VIEW) HART® protocol, DTM file acc. to Specification 1.2 suitable for framework applications acc. to FDT/DTM (e.g. PACTware); integration into AMS™ Suite
Explosion protection	ATEX  II 2 G EEx d IIC T6  II 2 G EEx de IIC T6  II 2 D IP 65 T 80 °C FM Class I, Division 1 and 2, Groups B, C, D Class I, Zone 1, IIB+H <sub>2</sub> Class II and III, Division 1 and 2, Groups E, F, G CSA Class I, Division 1 and 2, Groups B, C, D, T6 Class I, Zone 1, Group IIB+H <sub>2</sub> , T6 Class II, Division 1 and 2, Groups E, F, G Class III Other approvals also available
Options	Analog position transmitter 4 to 20 mA Integrated forced venting Configurable binary output (EN 60947-5-6/PLC) Configurable binary input (floating contact or external DC voltage)
Degree of protection	IP 66 / NEMA 4X

