

A smart choice

Type 3731-3 Explosion-proof Positioner

SAMSON




SAMSON



- Autostart routine
- Configurable on site in hazardous areas
- Any mounting position possible on all pneumatic actuators
- Simple local operation with a rotary pushbutton and LCD
- HART® communication and additional SAMSON SSP serial interface
- Loop and zero point monitoring, optional extended valve diagnostics

Technical data




Travel Attachment to Type 3277 Actuator Attachment acc. to IEC 60534-6 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
Load	< 450 Ω
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 ≤ 1 %
Air consumption	Independent from supply air, approx. 110 l/h (0.06 ft ³ /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 can be set 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 ₂ 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 ₂ , 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) Extended EXPERT+ valve diagnostics External position sensor (in preparation)
Degree of protection	IP 66 or NEMA 4X