

DATA SHEET: FASTRAK COMPACT Smart Positioner



Description:

The FTC positioner is a loop powered instrument. The FTC intelligent electro-pneumatic valve positioner accepts 4-20mA valve setting signal from the control system; at the same time, it receives the actual valve signal through the local sensors; the two signals are compared by control software in order to control the feeding and exhaust of the air to the actuator, driving the valve to reach the set point. The FTC positioner compatible with single and double acting actuators (with or without a spring), a piston or diaphragm.

General Specification:

Operating Pressure	: P min = 1.4 bar P max = 7 bar Design pressure = 10 bar	Operating temperature	: -40°C / +80°C
Static air consumption	: 0.6 Nm ³ /h @ 6 bar	Signal	: 4-20mA
Feeding connection	: ND 1/4"	Repeatability	: 0.2% of the full stroke
Output connection	: ND 1/4"	Accuracy	: 0.5% of the full stroke
Pilot Signal connection	: M20	Hysteresis	: 0.5% of the full stroke
CV max	: ND 1/4" Inlet = 0.12 ND 1/4" Outlet = 0.12	Environmental Humidity	: Up to 100%
		Input independence	: 375 X/20mA
		Weight	: 2.3kg

Materials:

Housing	: Aluminium Alloy
Finish	: Anodised Silver
Shaft	: Stainless Steel

Media:

- Non-lubricated instrument air, filtered at 25 microns
- Dew point should be 10°C below environmental temperature
- Air quality class 3-2-3 according to ISO 8573-1

Standard Features :

- EExia IIC T6
- HART Communication Protocol
- Feed back 4-20mA

Optional Extras:

- Housing 316 S/S
- High Speed Communication pack
- Advanced Diagnostic Pack
- Remote Sensor Normal to High TEMP

Certifications & Approvals

- CE EUROPEAN DIRECTIVE
- Intrinsically safe (Ex ia) according to:

ATEX (2014/34/EU)



HART
COMMUNICATION PROTOCOL

