



Measurement & Analytics | Measurement made easy

TZIDC and TZIDC-200

Digital positioners for highly precise and reliable valve positioning

Power and productivity
for a better world™



Product overview

Technical specifications

TZIDC and TZIDC-200

	TZIDC	TZIDC-200
Input/ communication		
4...20 mA LCI	X	X
4...20 mA HART 5/ HART 7	X	X
PROFIBUS PA	TZIDC-110	TZIDC-210
FOUNDATION Fieldbus	TZIDC-120	TZIDC-220
Housing		
Aluminium	X	X
Belzona coating	X	–
Explosion protection		
without	X	–
Intrinsic safety	X	X
Explosion proof	–	X
Position sensor (up to 270° rotation angle)	X	X
Supply pressure	1.4...6 bar (20...90 psi)	
Air capacity	until 10 Nm ³ /h (6 scfm)	
Air consumption	< 0.03 kg/h/ 0.015 scfm	< 0.1 kg/h/ 0.05 scfm
Ambient temperature range	-40...+85 °C (-40...+185 °F)	
Influence of vibration	< 1 % until 10 g and 80 Hz	
Intelligent diagnostics	X	X
Remote version (with HART communication)	X	–

TZIDC

At a glance

The TZIDC provides established as well as completely new functions for all applications in various industries.

Your benefits:

- Simple commissioning and intuitive handling
- Automatic adjustment of control parameters during operation
- High shock and vibration immunity
- Selectable safety position of the valve
- Low air consumption
- Monitoring of process parameters
- Different communication protocols available
- Application safety protection (intrinsic safety or explosion proof)
- Suitable for nearly all process control actuators and valves
- Applicable in a wide temperature range



Right at home? Comfortably!

Modular configuration according to process requirements

The modular configuration concept makes the TZIDC highly attractive for various industries and diverse applications. Whether it is needed for standard demands or special complex applications, the TZIDC can be configured individually according to the application.

- Process safety protection: intrinsic safety or explosion proof
- High protection against corrosion as well as spray water
- Applicable in a wide temperature range: -40...+85 °C (-40...+185 °F)
- Applicable internationally: global approvals

Easy plant and system integration

- Suitable for nearly all actuators and valves: all actuator sizes, all types of pneumatic actuators
- Different connection possibilities: M20 x 1.5 / 1/4 NPT, 1/2 NPT / 1/4 NPT, M20 x 1.5 / G1/4
- Various communication protocols available: HART 5, HART 7, PROFIBUS PA, FOUNDATION Fieldbus as well as local interface
- Robust operating behavior even when leaving the signal range: Clipping function

