

## PositionMaster EDP300 Digital Positioner

Compact, well-proven, and flexible



High air capacity

Diagnostics capability

Resistant to overpressure

Robust and environmentally ruggedized

Easy to commission

Approvals for explosion protection

- ATEX
- IECEx
- FM / CSA
- EAC TR-CU-012

For SIL2 safety loops

Advanced diagnostics

1) No IECEx approval



## Ordering Information

### Main ordering information PositionMaster EDP300 digital positioner

Base model	EDP300	XX	X	X	X	X	X
PositionMaster EDP300 digital positioner							
<b>Explosion Protection Certification</b>							
Without		Y0					
ATEX II 1G Ex ia IIC / II 1D Ex ia IIIC		A1					
ATEX II 3G Ex nA IIC / II 2D Ex tb IIIC		B1					
FM / CSA Intrinsically Safe Class I, II, III Div. 1 Groups A, B, C, D, E, F, G		F1					
IEC ExEx ia IIC Ga / Ex ia IIIC Da		M1					
IEC ExEx nA IIC Gc / Ex tb IIIC Db		N1					
EAC TR-CU-012 Ex ia IIC T4/T6 Ga X		P1					
EAC TR-CU-012 Ex ia IIIC T100°C/T55 °C DA IP 65		P2					
EAC TR-CU-012 Ex nA IIC T4/T& Gc X		P3					
EAC TR-CU-012 Ex tb IIIC T100 °C/T55 °C Db IP65		P4					
NEPSI China - Ex ia II C T6 (on request)		S1					
<b>Input Signal / Communication Port</b>							
4 ... 20 mA						A	
HART digital communication and 4 ... 20 mA						H	
<b>Pneumatic Output Type</b>							
Single acting							1
Double acting							2
<b>Safe Position</b>							
Fail-safe							S
Fail-freeze							F
<b>Air Pipe Connection</b>							
Thread G 1/4 female							1
Thread 1/4-18 NPT female						1)	2
<b>Cable Conduits</b>							
M20 x 1.5 with cable gland							A
NPT 1/2 in. with cable gland							B
Thread M20 x 1.5 female							C
Thread NPT 1/2 in. female						1)	D





Additional ordering information	XX	XX	XX	XX
Documentation Language				
German	M1			
Italian	M2			
Spanish	M3			
French	M4			
English	M5			
Swedish	M7			
Finnish	M8			
Polish	M9			
Portuguese	MA			
Russian	MB			
Czech	MC			
Dutch	MD			
Danish	MF			
Greek	MG			
Croatian	MH			
Latvian	ML			
Hungarian	MM			
Estonian	MO			
Bulgarian	MP			
Romanian	MR			
Slovak	MS			
Lithuanian	MU			
Slovenian	MV			
Special Applications				
Operation with natural gas	5)	P8		
With noise reduction		P9		
Typ des Manometerblocks				
0 ... 1 MPa (0 ... 10 bar, 0 ... 145 psi)				R3
Diagnosis Module				
Pressure sensors				

Additional ordering information	XX	XX	XX	XX	XX	XX	XX
<b>Additional TAG Plate</b>							
Stainless steel 18.5 mm x 65 mm (0.73 in. x 2.5 in.)	T1						
Sticker 11 mm x 25 mm (0.44 in. x 1 in.)	3) T3						
<b>Mounting Options</b>							
Prepared for integral mounting		V1					
<b>Remote Sensor</b>							
Basic unit			RS				
<b>Remote Sensor Temperature Range</b>							
Extended ambient temperature range -40 ... 100 °C (-40 ... 212 °F)				RT			
<b>Remote Sensor Vibration Resistance</b>							
Advanced vibration range 2 g @ 300 Hz					RV		
<b>Remote Sensor Protection Class</b>							
Protection class IP 67						RP	
<b>Remote Sensor Cable</b>							
5 m cable enclosed							R5
10 m cable enclosed							R6

- 1) Needed for FM / CSA certification
- 2) With single acting, fail safe pneumatic only
- 3) Not for Ex-versions
- 4) Not for IECEx-versions
- 5) Only with Explosion protection

Accessories	Order number
<b>Mounting bracket</b>	
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 80/20 mm	319603
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 80/30 mm	319604
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 130/30 mm	319605
EDP300 / TZIDC Mounting bracket for rotary actuators (mounting to VDI / VDE 3845), dimension A/B = 130/50 mm	319606
<b>Mounting Kit</b>	
EDP300 / TZIDC Mounting Kit Uhde Type 4 Stroke 400 mm cropped	7959500
<b>Attachment kit for linear actuators</b>	
EDP300 / TZIDC Attachment kit for linear actuators, stroke 10 ... 35 mm	7959125
EDP300 / TZIDC Attachment kit for linear actuators, stroke 20 ... 100 mm	7959126
<b>Lever</b>	
EDP300 / TZIDC Lever 30 mm	7959151
EDP300 / TZIDC Lever 100 mm	7959152



Accessories	Order number
<b>Adapter</b>	
EDP300 / TZIDC Adapter (shaft coupler) for rotary actuators (mounting to VDI / VDE 3845)	7959110
EDP300 / TZIDC Form - locking shaft adapter	7959371
<b>Attachment kit</b>	
EDP300 / TZIDC Attachment kit for Fisher 1051-30, 1052-30	7959214
EDP300 / TZIDC Attachment kit for Fisher 1061 size 130	7959206
EDP300 / TZIDC Attachment kit for Fisher 471	7959195
EDP300 / TZIDC Attachment kit for Fisher 657 / 667 Size 10 ... 30 mm	7959177
EDP300 / TZIDC Attachment kit for Fisher Gulde 32/34	7959344
EDP300 / TZIDC Attachment kit for Gulde DK	7959161
EDP300 / TZIDC Attachment kit for Keystone 79U/E-002(S) ... 79U/E-181(S)	7959147
EDP300 / TZIDC Attachment kit for Masoneilan CAMFLEX II, VARIMAX, MINITORK II	7959144
EDP300 / TZIDC Attachment kit for Masoneilan VariPak 28000 series	7959163
EDP300 / TZIDC Attachment kit for MaxFlo MaxFlo	7959140
EDP300 / TZIDC Attachment kit for NAF 791290	7959207
EDP300 / TZIDC Attachment kit for NAMUR stroke 100 ... 170 mm	7959339
EDP300 / TZIDC Attachment kit for NELES BC6-20, B1C6-20, BJ8-20, B1J8-20	7959146
EDP300 / TZIDC Attachment kit for Valves Nuovo Pignone, lever for linear stroke, length 150 ... 250 mm	7959210
EDP300 / TZIDC Attachment kit for Samson 241, 271, 3271	7959145
EDP300 / TZIDC Attachment kit for Samson 3277	7959136
EDP300 / TZIDC Attachment kit for Schubert&Salzer GS 8020 / 8021 / 8023	7959200
EDP300 / TZIDC Attachment kit for SED SED stroke 100 mm	7959141
EDP300 / TZIDC Attachment for remote sensor control unit (for wall or pipe mounting)	7959381