



## Electric multi turn valve actuator with Profibus control



Electric multi turn valve actuator with Profibus control is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. Double sealed structure of the wiring chamber. The internal electrical devices are guaranteed to be in a perfectly sealed protection when the actuator is performing on-site installation and debugging. AOX is a **supplier** to many large enterprises. AOX supply the best quality. Electric multi turn valve actuator with profibus control with high technology and high performance. AOX are committed to providing good service and support to all of our clients around the world.





## Electric multi turn valve actuator with Profibus control

### Introduction

Electric multi turn valve actuator with Profibus control is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc. With up to 51 terminals, enables direct access without the special wiring copper rings. Convenient and easier for on-site installation. Electric multi turn valve actuator with Profibus control meets international standards and is designed with the aim of high reliability and long service life - trying to minimize maintenance requirements. AOX is a Chinese electric actuator **manufacturer**. AOX implementers guarantee safe and reliable services under various extreme environmental conditions.

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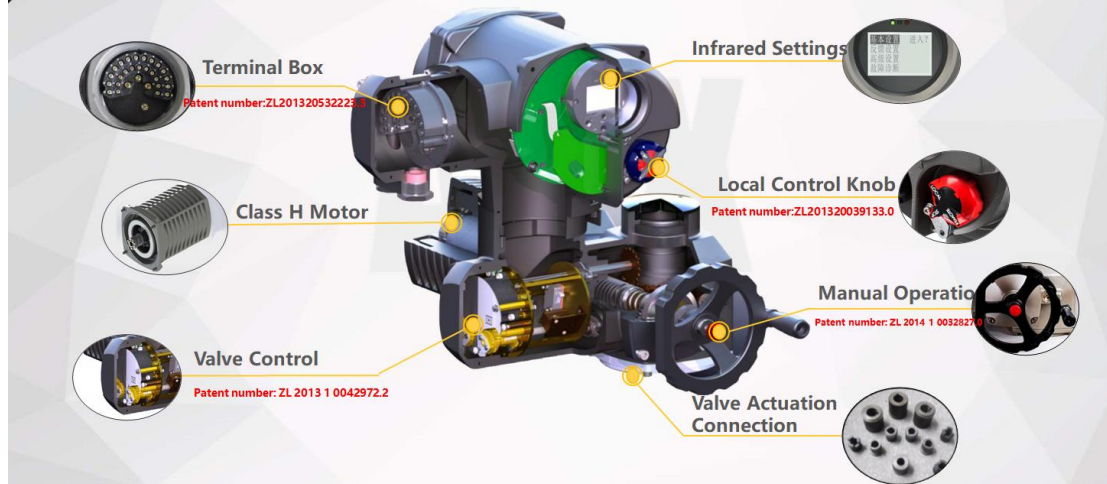
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## Structural Features



## Product Image



## Electric multi turn valve actuator with Profibus control Parameter (Specification)

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Model	Output torque	Speed	Maxshaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
					three phases		
	N·m	RPM	mm	W	380V	ISO5210	Kg
AOX-M-007	70	45	Φ28	400	2.42	F10	32
	70	90		400	2.95		
AOX-M-010	120	35	Φ28	600	2.25	F10	38
	120	70		600	3.18		
	120	105		800	5.15		
AOX-M-020	300	34	Φ40	1100	4.50	F14	68
	300	67		1100	6.85		
AOX-M-050	450	34	Φ40	1100	9.58	F14	70
	450	67		1500	14.80		
AOX-M-060	600	34	Φ55	3000	10.89	F16	103
	600	67		4000	16.50		
AOX-M-080	800	34	Φ55	3000	12.43	F16	103
	800	67		4000	23.50		
AOX-M-100	1000	34	Φ55	4000	30.20	F16	103

## Electric multi turn valve actuator with Profibus control Feature

### And Application

Noise Level: Less than 75 dB within 1 m

Corrosion level: Epoxy powder coating NEMA 4X corrosion protection is optional.

Explosion-proof level: Exd IIC T5 design

Motor specification: Class F, with thermal protector up to 135°C

Electrical interface: 2\* NPT 3/4 , 1\* NPT1 1/2

Ingress Protection: IP67 , Optional:IP68

Motor overheat protection

Moisture-resistant heaters (anti-moisture device)

Two-wire control protection

Three-phase power phase sequence protection

Modular design

Mechanical interlock protection

Contact selection

Conditional control protection

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## Additional Mechanical Parts

Through the combination of AOX-M series multi-turn electric actuator and the following mechanical components, other types of valves can be controlled.



Through the configuration of linear thrust unit, can constitute a direct stroke actuator, suitable for regulating valves.  
> Thrust: 10~160 KN  
> Stroke: 16~100mm (other stroke can be customized)  
Speed: 3.4~7.5mm/S (according to the stroke)



Through configuration part of the rotary gear box, can constitute a large part of the rotary actuator torque, suitable for butterfly valve, ball valve, plug valves, etc.  
Torque: 0.2 ~ 1000 KNm  
speed: 0.2 ~ 43 r/min



By configuring multi-turn gearbox, can constitute a large output torque rotary actuator, is applicable to gate valves, globe valves, etc.  
Torque: 0.1 ~ 100 KNm  
Speed: 2 ~ 600 s



By configuring the turn arm type gear box, can turn a arm type actuator, applicable to the throttle, damper valve, butterfly valve, etc.  
Torque: 0.2 ~ 1000 KNm  
Speed: 0.2 ~ 43 r/min



## Electric multi turn valve actuator with Profibus control details

### 1.Double sealing structure terminal box

Terminal box of Electric multi turn valve actuator with Profibus control, which is double sealing and separated enclosure protection, assure the sealing integrity of the electronic component if open the box cover to make the on-site wiring.

### 2.Wide range of output torque .

Direct torque outputs range from 40 Nm to 1000Nm. When combined with a worm gearbox, the maximum torque output can be adjusted up to 50,000Nm.

### 3.Diferent control options meet your specific requirement.

Electric multi turn valve actuator with Profibus control can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface.

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