



## Electric multi turn actuator with manual override



Electric multi turn actuator with manual override is widely applied in petroleum, chemical, water treatment, shipping, paper making, power plants, heating, building automation and other industries. Based on technical theory and rich experience, AOX company's unique technical

know-how is the basic driving force for Electric multi turn actuator with manual override development and scientific production. AOX has its own factory in China. AOX company is growing into a leading company in valve automation industry with advanced technology.



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## Electric multi turn actuator with manual override Introduction

Electric multi turn actuator with manual override with handwheel is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. AOX attaches great importance to corporate social responsibility. AOX is a **supplier** to many large enterprises. AOX continue to seek opportunities for progress, sharing and development with our partners and customers. In addition, all our services are handled through customer-centric management, giving the greatest priority to customer satisfaction for electric multi turn actuator with manual override.

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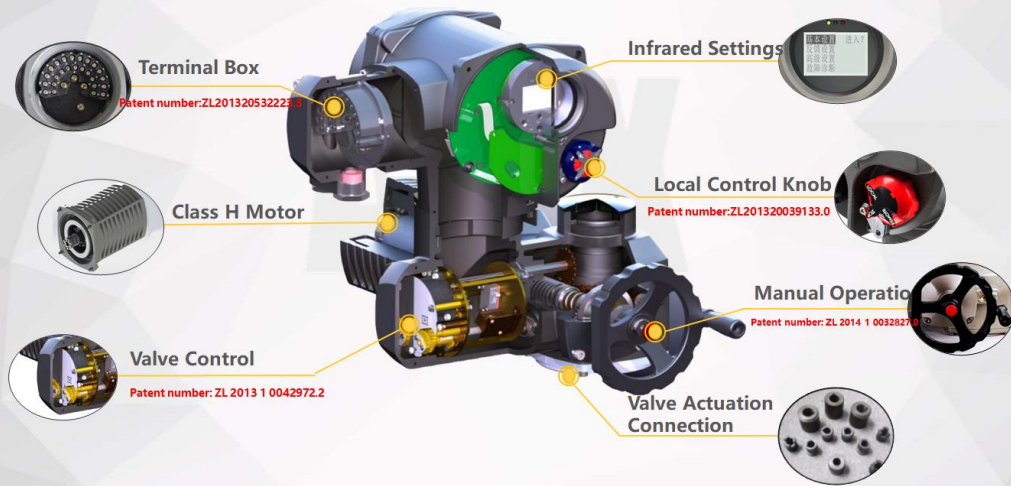
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## Structural Features



## Product Image



## Electric multi turn actuator with manual Parameter (Specification)

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Model	Output torque	Speed	Maxshaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
	N·m	RPM			mm		
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 actuator with manual override Feature And Application

Anti-vibration Level: JB/T8219

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

Time Lag:N/A

Other Function:

Torque protection

Motor overheat protection

Moisture-resistant heaters (anti-moisture device)

Intelligent block protection

Motor overheat protection

Limit and torque sensing

Mechanical interlock protection

Contact selection

Bushing for adapting valve stem

Remote control for setting device/tool

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IP68 Enclosure

### 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 actuator with manual details

### 1.Integrated Local control

Local control switches and locking type selector switch local/stop/remote are magnetic switches, controlled by magnetic reed, thus assure the damp proof sealing inside of the actuator.

### 2.Precise valve position measurement

Electric multi turn actuator with manual with handwheel using magnetic induction absolute encoder, eliminating the traditional potentiometer, improved location accuracy and does not require battery can be accurately recorded valve position when the actuator power outage.

### 3.Valve mounting standard of electric multi turn actuator with manual

Installation flange is according to EN ISO5210 or DIN3210 standard. Various types of output drive types to choose, suitable for different types of valves.

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