

PRECIMETER

~Casting Evolution~

PXP-2(E) Pin Position Actuator



The implementation of Precimeter Technology provides many advantages

- Quality improvements
- Increased productivity
- Documentation of the process
- Raw material savings
- Energy savings
- Better use of manpower

PXP-2(E) Pin Position Actuator



Vertical drop control with PXP-2(E) pin positioner. The Precimeter pin position actuator PXP-2(E) connected to the ProH and the MLC-M1 control panel form a system which very precisely controls the molten metal level, in for example a tundish.

The Pin Position Actuator PXP-2 is primarily used to control the flow of molten metal through a pin plug valve; for instance in ingot casting. The PXP-2 is also available as PXP-2E with either an emergency closing or emergency opening system. The actuator is then equipped with an air cylinder with a spring return.



For certain applications we recommend the use of a pin rotator as seen in the picture above

Technical Specifications

Stroke:	50 mm (2")
Plug pin load range:	Up to 100 N (22 lbs)
Positioning:	Stepper motor
Power requirement:	18-32 VDC / 1.2 A
Interface:	4-20 mA (or 0-10 VDC or 0-20 mA)
Analog input:	4-20 mA
Digital inputs:	Analog enable / Move pin according to 4-20 mA. Calibrate to closed or open position.
Analog outputs:	4-20 mA feed back signal.

Optional emergency closing or opening - PXP-2E

Emergency closing/opening:	Spring back spring
Load of spring:	Pressurized air 6-8 kg/cm ² (75-110 PSI)

PXP-2(E) includes a 10 pin industrial heavy duty connector.

Contact Precimeter Group

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