

PRECIMETER

Molten metal level control

PXP-2EM – Pin Position Actuator





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The **Pin Position Actuator PXP-2EM** is primarily used to control the flow of molten metal through a stopper and nozzle valve;

for instance in ingot/slab casting applications. The PXP-2EM is also prepared with a fail safe emergency closing system.

ADVANTAGES

- ✓ Emergency closing function
- ✓ Accurate control
- ✓ Robust design
- ✓ Easy installation
- ✓ Minimal maintenance
- ✓ Flexible mounting options
- ✓ Terminal connection for parameter settings
- ✓ Ethernet protocol (optional)
- ✓ Pin rotation (optional)



For certain applications we recommend the use of a pin rotator.

Vertical drop control with PXP-2EM pin positioner.

The Precimeter pin position actuator PXP-2EM connected to the ProH and an MLC control panel form a system which very precisely controls the molten metal level, in for example a tundish or a DC slab casting mould.



Technical Specifications

Stroke range	0-50 mm (0-2")
Accuracy	±0.15 mm
Positioning	Stepper motor
Power requirement	24 VDC < 1 A
Cooling	Compressed air (3/8" connection)
Interface	Serial communication

PXP-2EM includes a 10 pin industrial heavy duty connector.

Operation signals:	
Arm/rod position	4-20mA (0-100%)
Load Carriage	24 VDC
Calibration	24 VDC
Feedback signals:	
Arm/pin position	4-20mA (0-100%)
Carriage loaded	24 VDC
Internal Temp Output	4-20mA (0-100°C)
Ethernet Protocol	Optional (Profinet, Ethernet IP or Modbus TCP)