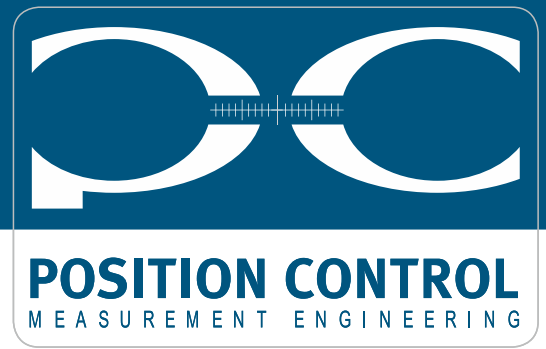


Distance Sensor Typ: PC-PTO



Datasheet



- Twin bearing actuating rod
- Mountable over backlash free pivots heads
- With large angle of free movement
- 5 k-ohm analog output or digital Modbus RS 485
- Maximum angular movement up to 30°
- Measurement stroke up to 250 mm
- Absolute measurement of displacement
- Very long life up to 100 million movements
- High speed operating speed 5 m/s
- The grooves provide an excellent alternative to usual system

PC-PTO is built easy mounting by double pivot heads. It's a high precision analog industrial motion transducer with long lasting conductive track suitable for absolute position measuring in control and Measurement applications. Designed for the direct and absolute measurement of displacement or angle in control and regulation applications. Mechanical fixing and self-aligning linkage using 2 ball joints. Maximum angular movement is up to 30° High resolution (0.01 mm) combined with stroke length up to 250 mm permits the accurate measurement of linear displacement.

PC-PTO Series 5 K-Ohm or digital RS 485 Modbus Output

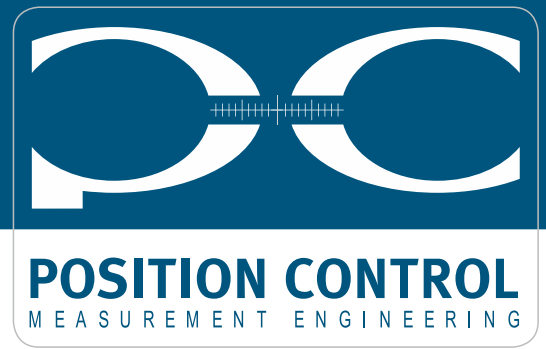
Transducers are mainly used in :

Geotechnical Engineering
Crack Meter
Distance Measurement
Tension Control
Structural Monitoring
Transfer Machines
Hydraulic Machines
Bending Presses
Textil Machines

Technical Specifications	
Measurement Ranges [mm]	50 - 100 - 150 - 200 - 250 (other strokes on demand)
Output Signals	5 K-Ohm or RS 485 Digital Modbus
Independent Linearity	± 0,25% analog and ± 0,15% digital (24 bit ADC)
Electrical Connection	4 pin male socket
Power Supply	24 VDC or 9-30 Volt Modbus Version
Resistance	5 K-Ohm ±10% tolerance
Temperature Range	-20°C +100°C
Life	100 million movements
Mechanical Fixing	With 2 ball-joints
Rod Material	Stainless steel
Housing Material	Anodized aluminium

Distance Sensor

Typ: PC-PTO



Order Code

Model No

Defined Stroke Range

Several standard lengths from 50 mm to 250 mm
*other lengths on request

P	T	O	-	2	0	0	-	C
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Output

- C : 5k Ohm Analog Output
- D : RS 485 Digital Modbus ASCII

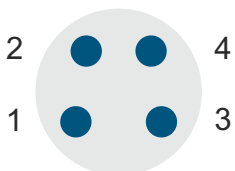
Included in Delivery

Digital Option / 4 pin Cable electronic

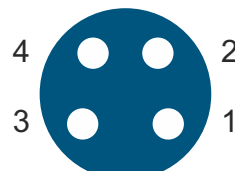
Connections

Layout sensor connectors M8 / RS485 Modbus interface

PIN No.	Colour internal wire	Layout
1	Brown	Vcc
2	White	Data +
3	Blue	Ground
4	Black	Data -



scheme male connector



scheme female connector