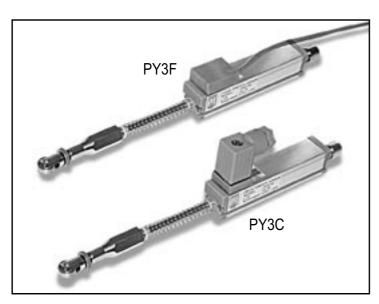
PY3

LINEAR MOTION POSITION SENSORS

STANDARD 10-50mm

Roller Head Pre-loaded Spring Type



Unique Features

- Harden steel bearing roller head for measurement of moving pile stock thickness
- Mini design for limited space
- Anodised Aluminium Housing
- Double slide and bearing

· Very Long Life >100 x 106 Cycles >25 x 10⁶ m

: 10-450mm Stroke : ±0.1% Outstanding Linearity up to · High Resolution : Infinite

: ± 0.01mm Excellent Repeatability Max operating speed : 5m/s max.

- PY3C - 4 pin C193 connector · PY3FS - standard 1m cable

Sealing IP 40 standard (IP 65 optional)

Fuse Protected Optional

This mini position transducer is designed for direct absolute measurement and available in stroke length up to 50mm. The mini design is suitable for mounting in instruments or machines with limited space and specially design for moving stock application.

An improved technique for making connection to resistance track (Double Trimming Technique) ensures the higher degrees of reliability and linearity, while multi-fingers wipers stabilize output signals, even in the most adverse working conditions.

The fixing feet are adjustable to the desired position.

The bearing roller is suitable for measurement of moving pile stock thickness along moving direction.

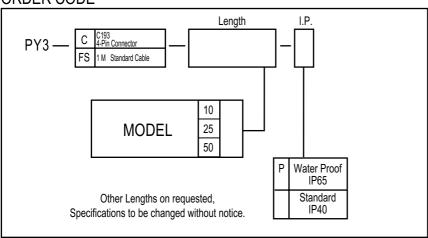
Technical Specifications			
Sealing - PY3C/PY3FS	IP40		
Sealing - optional	IP65		
Current Resistance	≦ 10mA		
Wiper	≦ 1mA		
Operating Force	≦ 1.2N (IP40)		
	≦ 5N (IP65)		
Power Consumption	3W-10W		
Output Smoothness	< ± 0.1% against input voltage		
Input Voltage	60 V Max		
Insulation Voltage	500V-1 min Residue < 5 μ A		
Vibration	IEC 68-2-6:1982 10g		
Shock	IEC 68-2-29:1968 40g		

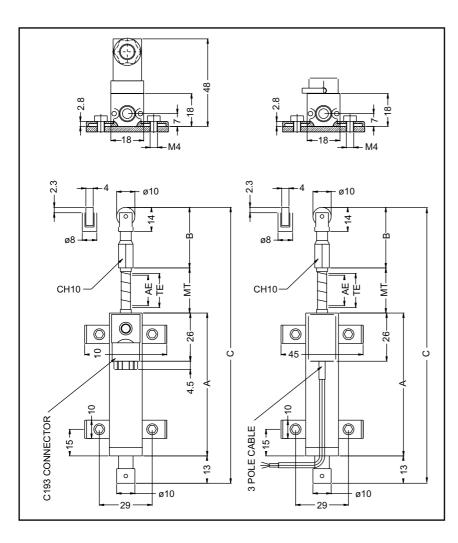
PY3

LINEAR MOTION POSITION SENSORS

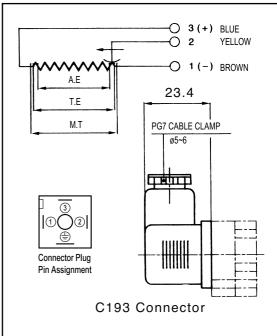
18 Section, STANDARD 10-50mm

ORDER CODE





ELECTRICAL CONNECTIONS



PY3 series		10	25	50	
Total Electrical Travel(T.E)	mm	11	26	51	
Active Electrical Travel (A.E)	mm	10	25	50	
Resistance ±20%	kΩ	1	1	5	
Independent Linearity	±%	0.3	0.2	0.1	
Mechanical Travel (M.T)	mm	15	30	55	
Resolution		infinite			
Recommended Cursor Current	μΑ	<1			
Temperature Range	°C	-30 to +100			
Dimensions (A)	mm	48	63	88	
Dimensions (B)	mm	43	43	51	
Dimensions (C)	mm	114	149	207	

* Dimensions for reference only