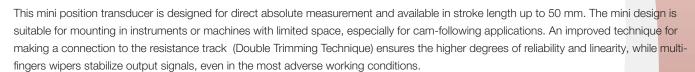


Instrumentation

- Ball Head Pre-loaded Spring Type
- Mini design for limited space
- Ø 18 Section, Standard 10-50 mm
- **Anodised Aluminium Housing**
- Long Life, High Resolution
- **Excellent Repeatability**
- Double slide and bearing, harden steel ball head for measurement of cam-following application



The fixing feet are adjustable to the desired position.

Specifications

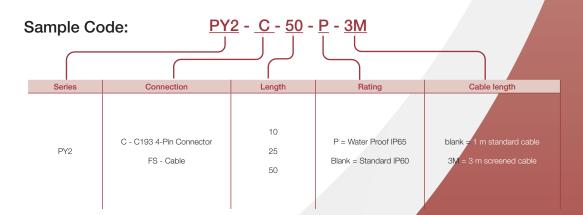
Mechanical			
Typical Life Cycle	> 100 x 10 ⁶ cycles, > 25 x 10 ⁶ m		
Stroke	10 - 50 mm		
Linearity up to	± 0.1 %		
High Resolution	Infinite		
Repeatability	± 0.01 mm		
Max. operating speed	5 m/s		
Environmental			
Housing	Anodised Aluminium Housing		
Operating Temperature	-30 +100° C		
Storage Temperature	-50+120° C		
Vibration	IEC 68-2-6:1982 10g		
Shock	IEC 68-2-29:1968 40g		
Rating	IP40, optional IP65		

Electrical					
Current resistance	≤ 10mA				
Current wiper	≤ 1 mA				
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 - 1min Residue < 5 μ A				

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Ordering information

(Please use the characters in the chart below to construct your product code)







Ordering information cont.

PY2 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	32	32	40	
		108	138	196	

^{*} Dimensions for reference only

Dimensions and Electrical connections

