

KPC Rectilinear Displacement Transducer With Cylindrical Case



Characteristic

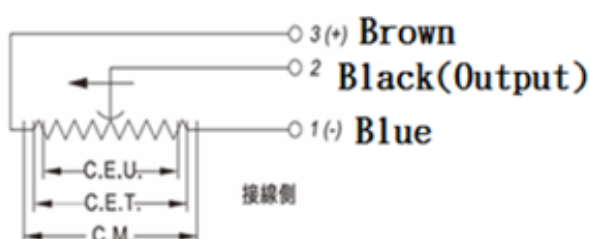
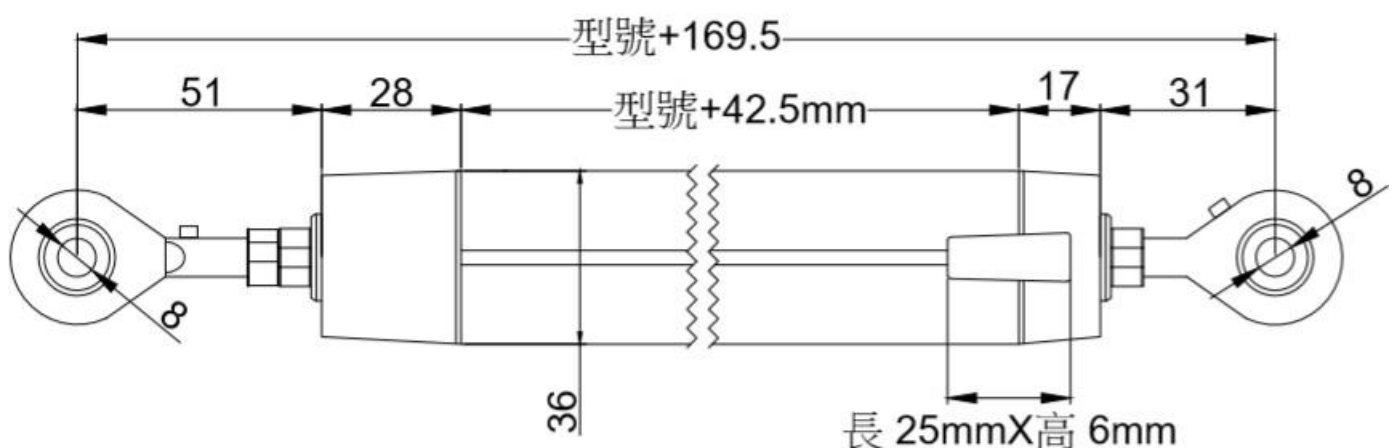
1. KPC Series sensors for displacement measurement in a variety of high mechanical strength applications.
2. Designed with 8mm rods, large steel joints and reinforced housings, this series is ideal for the metal, wood and ceramics industries.
3. No electrical signal changes after the theoretical electrical stroke, the installation is simpler.

4. KPC The series sensor has an automatic correction function, and the free movement of the sensor shaft can be realized by the load-bearing ball joint structure.

Advantage :

- Long service life, up to 50×10^6 times.
- Excellent linearity.
- Higher resolution 0.01mm.
- High running speed.
- Protection level IP65.

Installation dimension drawing:



Shipping standard:

- Hermans connector x 1
- Seal x 1
- Fish eye connector OR Universal joint x 1
- brackets x 2
- (M4) Screws x 4

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	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC
Electrical-parameters								
Model size	75	100	150	175	200	225	250	300
Nominal stroke (mm)	75	100	150	175	200	225	250	300
Electric stroke (mm)	75.5	101	151	176.5	201.5	226.5	252	302
Standard R(KΩ)	5	5	5	5	5	5	5	5
R tolerance	±10%							
Independent	0.08	0.08	0.08	0.08	0.08	0.08	0.05	0.05
Linearity(%)								
Repeatability precise	0.01mm							
Cusor current	≤1 μA							
Max cusor current	10mA							
Max power supply	42V							
Volts								
Coefficient Volts to Temp	5 ppm/K							
Insulation R (500VDC, 1bar, 2s)	≥ 10MΩ							
Insulation strength (50Hz, 2s, 1bar, 500VDC)	≤100 μA							
Mechanical Parameter								
Shell Length(A)	Model size +42.5mm							
Mechanical stroke(M)	Nominal stroke +7mm(Each end 3.5mm buffer)							
Vertical installation	10m/s							
Horizontal installation	3m/s							
Environmental parameter								
Operation temperature	-40 ~ 100°C							
Life time	>50X 10 ⁶ 次							
Shock	50g 6ms							
Protection class	IP65							

KPC Rectilinear Displacement Transducer With Cylindrical Case

	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC
Electrical-parameters										
Model size	350	375	400	450	500	550	600	650	700	750
Nominal stroke (mm)	350	375	400	450	500	550	600	650	700	750
Electric stroke (mm)	352.5	377.5	403	452.5	503.5	552.5	604	652.5	704.5	753.5
Standard R(KΩ)	5	5	5	5	5	5	10	10	10	20
R tolerance	±10%									
Independent	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04
Linearity(%)										
Repeatability precise	0.01mm									
Cusor current	≤1 μA									
Max cusor current	10mA									
Max power supply	42V									
Volts										
Coefficient Volts to	5 ppm/K									
Temp										
Insulation R	≥ 10MΩ									
(500VDC, 1bar, 2s)										
Insulation strength	≤100 μA									
(50Hz, 2s, 1bar, 500VDC)										
Mechanical Parameter										
Shell Length(A)	Model size +42.5mm									
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