KTR Position Transducers with Restoring Spring

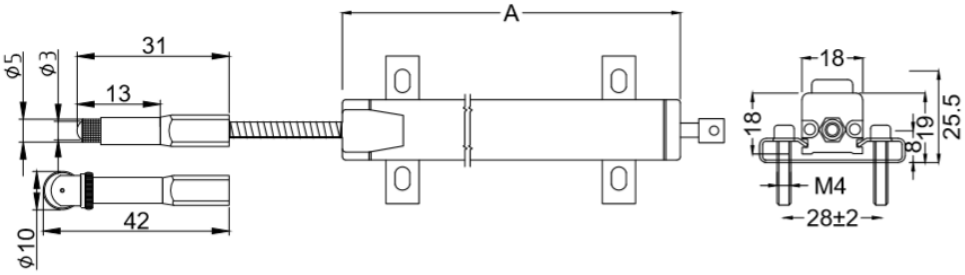
Characteristic:

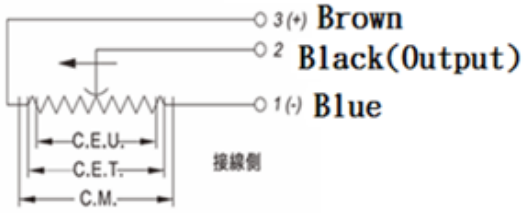
1. Dual support lever
2. Equipped with a return spring, the head is automatically positioned, making it the best solution for accurately checking cams and checking off automated line products.
3. The application of stainless steel balls is not subject to lateral to sensor axis transformation
4. Ideal for checking the flatness or thickness of panels of various materials, or for mechanical parts that cannot be attached to moving objects when used with valves or rods

Advantage：

- Small size
- Up to 50 million movements
- Sensor with return spring
- Can be used in a variety of harsh environments (moisture, oil, dust)
- Protection levelIP67
- Unaffected by shock and vibration
- Configurable voltage and current (2-wire, 3-wire) modules

Installation dimension drawing::





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stroke

1 Induction head

2 Rolling head

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(External spring)	KTR	KTR	KTR	KTR	KTR	KTR
Electrical-parameters						
Model size	15	20	25	50	75	100
Nominal stroke (mm)	15	20	25	50	75	100
Electric stroke (mm)	15.5	20.5	25.5	50.5	75.5	101
Standard R(KΩ)	5	5	5	5	5	5
R tolerance	±20%					
Independent Linearity(%)	0.5	0.5	0.3	0.25	0.15	0.1
Repeatability precise	0.01mm					
Cusor current	≤1μA					
Max cusor current	10mA					
Max power supply Volts	42V					
Coefficient Volts to Temp	典型值 5 ppm/K					
Insulation R (500VDC, 1bar, 2s)	≥10MΩ					
Insulation strength (50Hz, 2s, 1bar, 500VDC)	≤100μA					
Mechnical Parameter						
Shell Length(A)	Stroke+43mm					
Mechnical stroke(M)	19	25	29.5	54.5	79.5	105
Work stress						
horizontal direction	≤1.1N					
Environmental parameters						
Operation temperature	-40~100°C					
Life time	>50X 10^6次					
Shock	50g6ms					
Max spead	3m/s 最大					
Protection class	IP65					

Shipping standard: brackets x2 (M4) Screwsx