

**NORDIC TRANSDUCER**

**KS50 medium size**

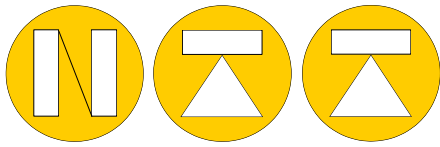
**Wire rope position transducers industrial series  
Series KS50**

1. Output types:
  - Analygue: potentiometer, 0-10V,0-5V,4-20mA
  - Digital: TTL/push-pull/OC
- 2.Linearity
  - Analygue output  $\pm 0.1\%$  of FS
  - Digital  $\pm 0.05\%$  of FS



**Technical data**

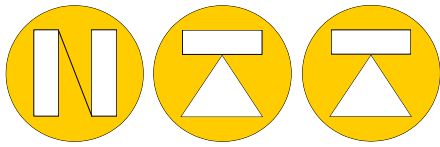
Output type	Digital	Analogue
Effective stroke	0-2000mm	0-1500mm
Sensor element	Encoder	Potentiometer
Stainless steel	0.7 / 0,8mm Plastic-coated	0.7 / 0.8mm Plastic-coated
Output	Standard: Push-pull (F) Option: OC NPN (C) Long line driver 5V (L)	Standard 0-5 k ohm, 0-10 k ohm Customized
		4-20mA(2-wire/4-wire system) 0-5V;0-10V;(Three-wire/ Four-wire system)
Excitation circuit	No	Built-into the module
Output zero and output full	No	Adjustable
Linearity	0.05%FS	0.1%FS
Repeatability	0.01%	0.01%
Resolution direct (mm)	0.375, 0.25, 0.15, 0.075, 0.06, 0.03	Infinite
Max. Velocity	200mm/S	200mm/S
Vibration frequency	50HZ	50HZ
Response frequency	300K Hz	2000HZ
Power	Due to output	<1W
Working voltage	Standard: 5-24V Line drive 5V TTL	10-30V(built-in),12V,24V ,28V(outlay)
Starting force	4N	4N
Weight	450g	450g
Working temp range	-0 C- +30C	-0C - +30C
Service life	>5 Mio	>5 Mio



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<b>Anti-vibration</b>	10HZ-1500HZ; 10G	10HZ-1500HZ; 10G
<b>Cable length</b>	4M (standard)	4M (standard)
<b>Housing component</b>	Titanium-anodized Aluminum, the coating is a hart anodic oxidation that protects the sensor from corrosion	Titanium-anodized Aluminum, the coating is a hart anodic oxidation that protects the sensor from corrosion
<b>Protection Class</b>	IP65	IP65





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## KS50Size Diagram

