

**NORDIC TRANSDUCER**

**KS16 small size**

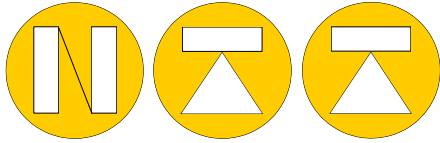
**Wire rope position transducers-industrial series  
Series KS16**

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



**Technical data**

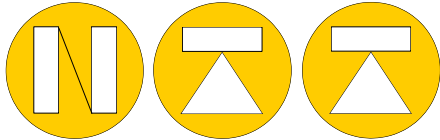
Output type	Digital	Analogue
Effective stroke	0-700mm	0-500mm
Sensor element	Encoder	Potentiometer
Stainless steel	0.6mm Plastic-coated	0.6mm Plastic-coated
Output	Standard: Push-pull (F) Options: OC (NPN) (C) Long line driver (L)	Standard =0-5 k ohm, 0-10 k ohm Customized
		4-20mA(2-wire/4-wire system) 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)	0.125, 0.083, 0.05, 0.025, 0.02, 0.01	Infinitive
Max. Velocity	300mm/S	300mm/S
Vibration frequency	50HZ	50HZ
Response frequency	300K Hz	2000HZ
Power	Due to output	<1W
Working voltage	Standard: 5-24V Option: Line drive 5V	10-30V(built-in),12V,24V ,28V(outlay)
Starting force	4N	4N
Weight	422g	422g
Working temp range	-20 C- +85C	-20C - +85C
Service life	>10 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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## KS16 Size Diagram

