

NORDIC TRANSDUCER

Wire rope position transducers-industrial series

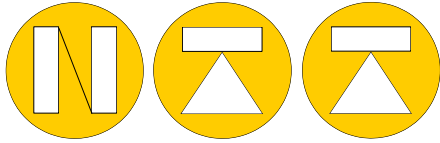
Series KS90 0-5000 mm

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



3. Technical data

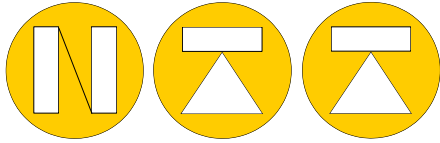
Output type	Digital	Analogue
Effective stroke	0-5000mm	0-5000mm
Sensor element	Encoder	Potentiometer
Stainless steel	0.7mm, 1.0mm Plastic-coated	0.7mm, 1.0mm Plastic-coated
Output	Standard: Push-pull (F) Option: OC PNP (C) Line drive 5V TTL (L)	Standard 0-5k ohm, 0-10k ohm Customized 4-20 (Two-wire/Four-wire system)
		0-5V; 0-10V; (Three-wire/Four-wire system)
Excitation circuit	No	Built-in
Output zero and output full	No	Adjustable
Linearity	$\pm 0.05\%$ FS	$\pm 0.1\%$ FS
Repeatability	0.01%	0.01%
Resolution direct(mm)	0.75, 0.5, 0.3, 0.15, 0.12, 0.06	Infinite
Max. Velocity	200mm/S	200mm/S
Vibration frequency	50HZ	50HZ
Response frequency	300K Hz	2000HZ
Power	Due to output	<1W
Working voltage	5V 5-24V	10-30V(built-in),12V,24V, 28V(outlay)
Starting force	4N	4N
Weight	980g	1000g
Working temp range	-20C~+85C	-20C~+85C



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Service life	>10 Mio	>5 Mio
Anti- vibration	10HZ-1500HZ; 10G	10HZ-1500HZ; 10G
Cable length	4M (standard)	4M(standard)
Housing component	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
Protection Class	IP65	IP65





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KS90Size Diagram

