

NORDIC TRANSDUCER

## KS90FB Explosion- proof Draw Wire Position Sensor

#01102018/05

Draw wire position Sensor Explosion- proof series

Series KS90FB 3000mm

1. Output types:

- Analogue: potentiometer 4-20mA (2wire)
- Digital: TTL/push-pull/OC
- Digital-Absolute: SSI,

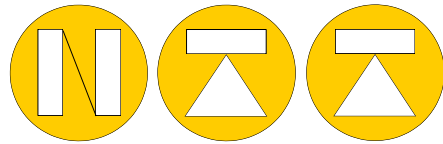
2. Linearity

- Analogue output  $\pm 0.12\%$  of FS
- Digital/Digital-absolute  $\pm 0.05\%$  of FS

3. Technical data



Output type	Digital	Analogue
Effective stroke	0-3000mm	0-3000mm
Sensor element	Encoder	Potentiometer
Stainless steel	0.7mm, 1.0mm Plastic-coated	0.7mm, Plastic-coated
Output	OC (PNP) Push-pull	0-5K $\Omega$ , 0-10K $\Omega$ , Customized
	TTL	4-20mA (Two-wire )
Translation circuit	No	Built-in, Exetation module
Output zero and output full	No	Adjustable
Linearity	$\pm 0.05\%$ FS	$\pm 0.12\%$ F.S.
Repeatability	0.01%	0.01%
Resolution (mm)	0.25, 0.16, 0.05, 0.04, etc.	Infinitesimal
Max. Velocity	2000mm/S	2000mm/S
Vibration frequency Starting Force	50HZ 6N	50HZ 6N
Response frequency	300K Hz	2000HZ
Power	Due to output	<1W
Working voltage	5V 5-24V	12V,24V,28V
Extended tension		Option ! please ask
Max. acceleration	5G	5G
Weight	5kg	5kg
Working temp range	-0C~+40C	-0C~+40C
Service life	>5 Mio.	>5 Mio.
Anti- vibration	10HZ-1500HZ; 10G	10HZ-1500HZ; 10G



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<b>Cable length</b>	5M (waterproof cable with PG)	Special: at order (waterproof cable With fixed PG)
<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, Explosion- proof	IP65, Explosion- proof

