

NORDIC TRANSDUCER

## Long Distance MS160 Series Draw Wire Position Sensor

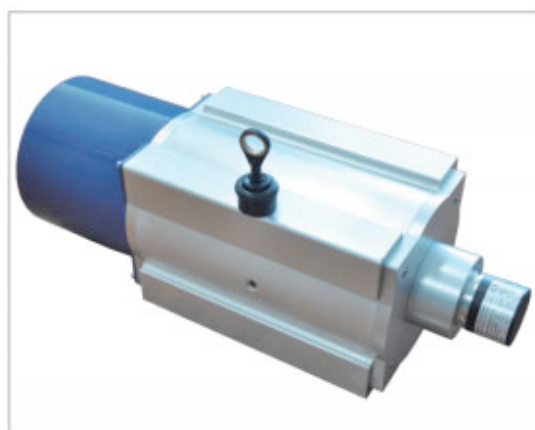
### Series **MS160** 60M TO 100M

#### 1. output types

- Analogue: potentiometer,0-10V,0-5V,4-20mA
- Digital:TTL/push-pull/OC
- Digital-Absolute:SSI

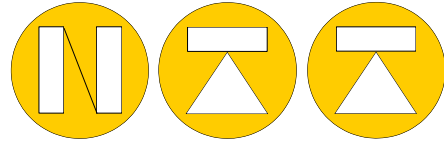
#### 2. Linearity

- Analogue output  $\pm 0.1\%$  of FS
- Digital/Digital-absolute  $\pm 0.5\%$  of FS



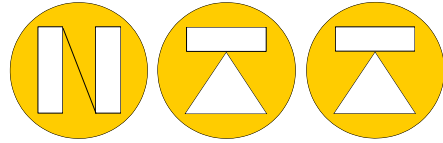
#### 3. Technical data

Output type	Digital	Analogue
Measure Range	60-100m	60-100m
Sensor element	Encoder	Potentiometer
Stainless steel	Ø0.8mm High tenacity wire-rope	Ø0.8mm High tenacity wire-rope
Output	Open Collect (PNP)	0-5KΩ, 0-10KΩ
	Long Line Driver	4-20mA
	Push pull	0-5V,0-10V
Translation circuit	No	Built-in, External, External module
Output zero and output full	No	Adjustable
Linearity	$\pm 0.05\%$ FS	$\pm 0.1\%$ FS
Repeatability	0.01%	0.01%
Resolution(mm)	0.25,0.16,0.05,0.04, etc.	Infinitesimal
Max. Velocity	4000mm/S	4000mm/S
Vibration frequency	50HZ	50HZ
Response frequency	300K Hz	300K Hz



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<b>Power</b>	Due to output	<1W
<b>Working voltage</b>	5V 5-24V	10-30V, 12V, 24V, 28V
<b>Weight</b>	25kg	25kg
<b>Working temp range</b>	-10C~+85C	-10~+85C
<b>Service life</b>	>200Mio	>200Mio
<b>Anti- vibration</b>	10HZ-1500HZ; 10G	10HZ-1500HZ; 10G
<b>Cable length</b>	4M	4M
<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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