

NORDIC TRANSDUCER

## Long Distance MS903 Series Draw Wire Position Sensor

### Series MS903 **30 meter**

#### 1. Output types

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

#### 2. Linearity

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

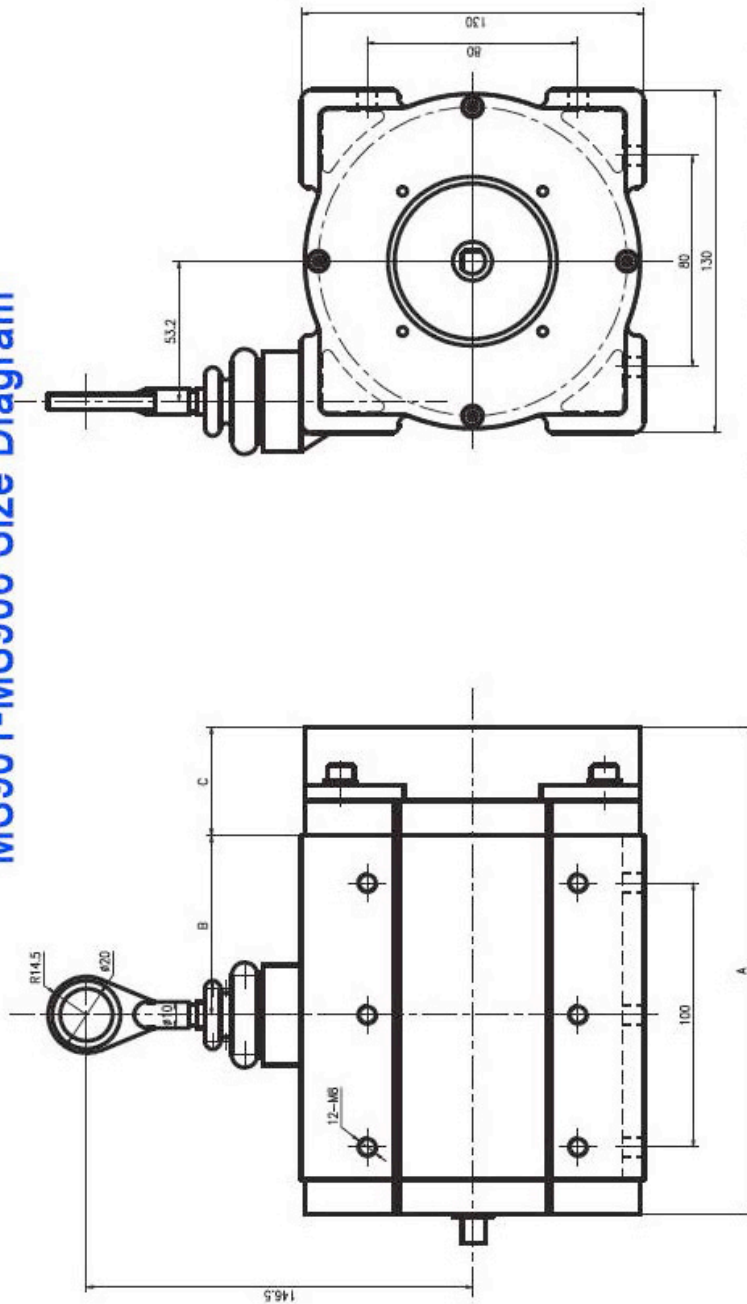


#### 3. Technical data

Output type	Digital	Analogue
Measure Range	0-30m	0-30m
Sensor element	Encoder	Potentiometer
Stainless steel	Ø1.0mm High tenacity wire-rope	Ø1.0mm High tenacity wire-rope
Output	Open Collect (PNP)	0-5KΩ, 0-10KΩ
	Long Line Driver	4-20mA, 2 wire or 4 wire
	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	$\pm 0.12\%$ 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
Power	Due to output	<1W
Working voltage	5V 5-24V	10-30V,1 2V, 24V, 28V
Weight	12.6kg	12.3kg
Working temp range	-10C~+85C	-10C~+85C
Service life	>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

**MS901-MS906 Size Diagram**



	A	B	C		A	B	C
MS901	184.5	68	41	MS904	482.5	158	159
MS902	365.5	113	132	MS905	482.5	158	159
MS903	482.5	158	159	MS906	482.5	158	159