

NORDIC TRANSDUCER

## Middle Distance MS603 Series Draw Wire Position Sensor

**Long Life Sensor, for high Demands Jobs ! Service Life >200Mio strokes**

**Series MS603 0...5000mm**

### Series MS603

#### 1. output types

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

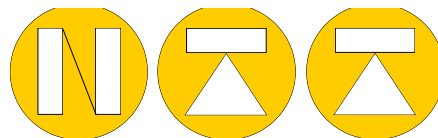
#### 2. Linearity

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



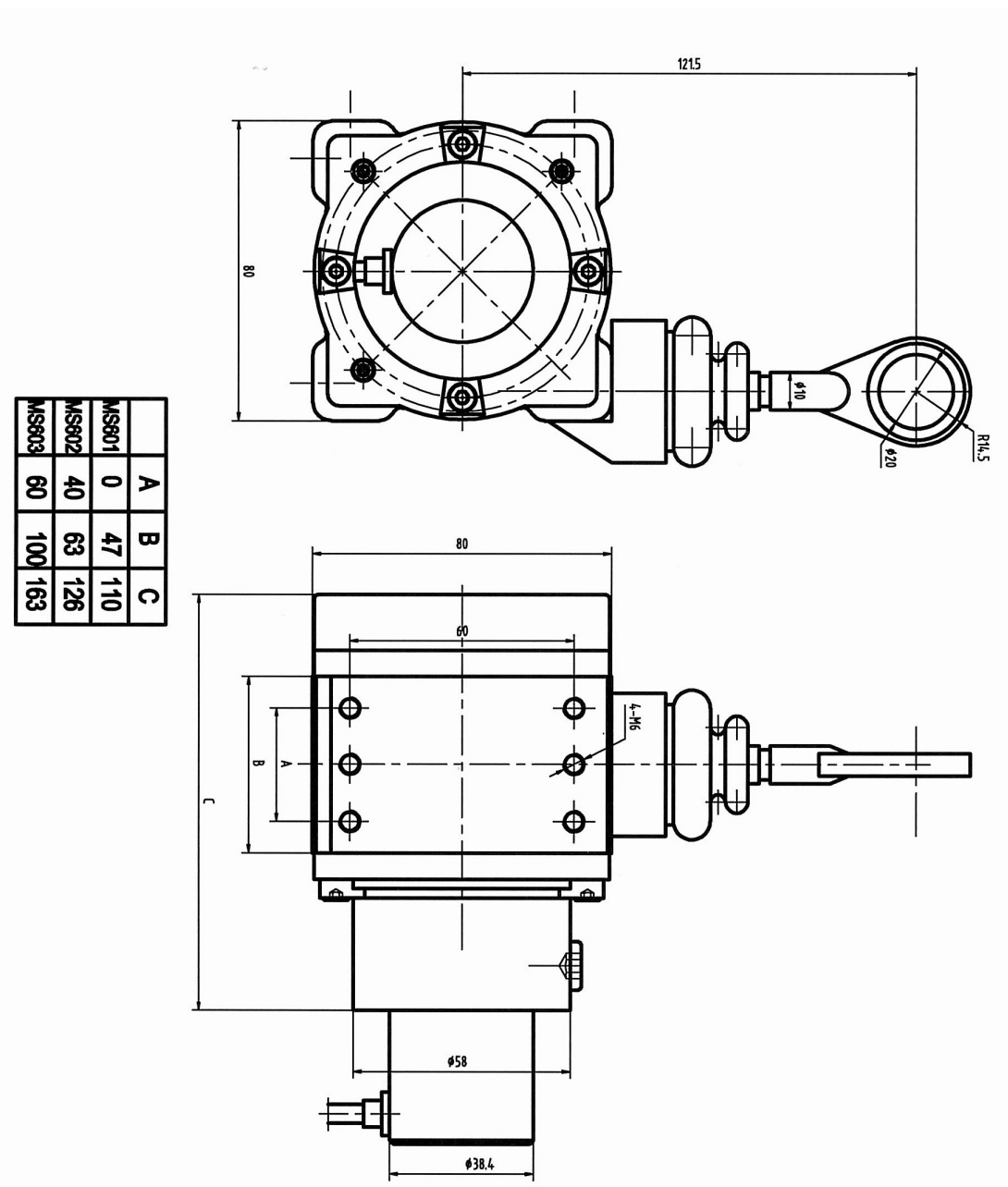
#### 3. Technical data

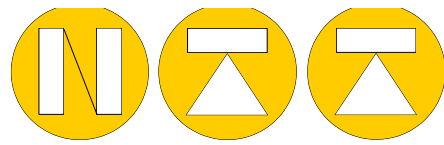
Output type	Digital	Analogue
Measure Range	0-5000mm	0-5000mm
Sensor element	Encoder	Potentiometer
Stainless steel	Ø1.3mm High tenacity wire-rope	Ø1.3mm High tenacity wire-rope
Output	Open Collect (PNP)	0-5KΩ, 0-10KΩ
	Long Line Driver	4-20mA, 2 wire or 4 wire
	Push pull	0-5V, 0-10V
Translation circuit	No	Built-in, External 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
Starting Force	6N	6N
Vibration frequency	20HZ	20HZ
Response frequency	300K Hz	300K Hz
Power	Due to output	<1W
Working voltage	5V 5-24V	10-30V, 12V, 24V, 28V
Weight	1940g	1940g



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<b>Working temp range</b>	-10C~+85C	-10C~+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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