

NORDIC TRANSDUCER

Middle Distance MS603 Series Draw Wire Position Sensor

Long Life Sensor, for high Demands Jobs ! Service Life >2Mio 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

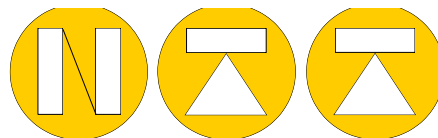
2. Linearity

- 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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Working temp range	-10C~+85C	-10C~+85C
Service life	>2Mio	>2Mio
Anti- vibration	10HZ-1500HZ; 10G	10HZ-1500HZ; 10G
Cable length	4M	4M
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

