

NORDIC TRANSDUCER

KS120FB Explosion- proof Draw Wire Position Sensor

#01102018/03

Draw wire position Sensor Explosion- proof series

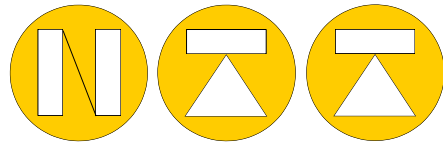
Series KS120FB

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 | 0-6000mm | 0-6000mm |
| Sensor element | Encoder | Potentiometer |
| Stainless steel | 0.7mm, 1.0mm Plastic-coated | 1.0mm Plastic-coated |
| Output | OC (PNP) Push-pull | 0-5K Ω , 0-10K Ω , Customized |
| | TTL | 4-20mA (Two-wire) |
| Translation circuit | No | Built-in, Optional 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 | 10-30V,12V,24V,28V |
| Extended tension | 52 oz. | 52 oz. |
| 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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| | | |
|--------------------------|--|--|
| Cable length | 5M (waterproof cable with PG) | Special: 30M (waterproof cable With fixed PG) |
| 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, Explosion- proof | IP65, Explosion- proof |

