TUBE TYPE SENSOR INCREMENTAL



The perfect innovation for a better production

FOR MASS PRODUCTION

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With You

MEASURE SPEED IN TOUGH EMBEDDED APPLICATIONS

HIGH RESOLUTION

- Smooth control
- Even at low speed

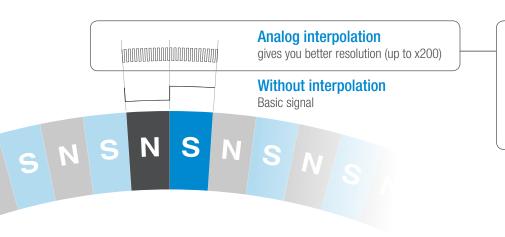
COMPACT & MODULAR

- Easy integration
- Easy maintenance

ROBUST

- Heavy and harsh environments
- Designed for mobile machinery

INTERPOLATION HOW DOES IT WORK?



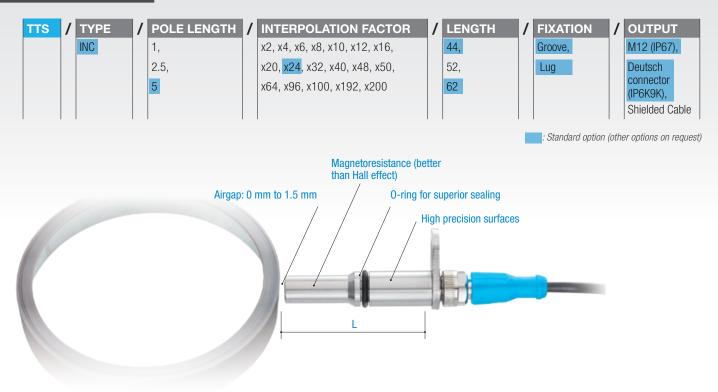
High resolution:

Sensor resolution = **f** x Magnetic resolution **Interpolation factor options:**

f: x8, x12, x24, x32, x40, x48... up to x200



CONFIGURATION



SPECIFICATION

ENVIRONMENT

- Operating temperature: -40°C to 105°C
- Nominal hydraulic pressure: 100 bar
- Vibration: 0.1 g²/Hz [10 Hz to 1000 Hz] 8 hrs / axis (IEC60068-2-64: category 1 for wheel vehicle)
- Ingress protection: IP6K9K

PERFORMANCES

- Magnetic ring : 10 mm magnetic period (5 mm pole length ; other upon request)
- Frequency: 50kHz max
- Power supply : 8V to 32V
- Signal output: 2 push-pull square wave signals

ELECTRICAL PROTECTION

- · High instantaneous overvoltage
- Reverse polarity
- Protected against short circuits to Vbat and ground

ELECTROMAGNETIC COMPATIBILITIES

- Radiated emission: Class B 100 V/m [20 MHz to 2 GHz] (IS011452-2, IS011452-3)
- Electrostatic Discharges : Class A ±8kV contact, ±15 kV air (housing, pin) (ISO10605)
- Agricultural and forestry machinery : ISO14982:1998
- Construction machinery : EN13309:2000
- Industrial trucks : EN12895:2000

Contact us:
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