



## Magnetic Cylinder Sensors Analog positioning sensors

zubehoer



Model Name > [zubehoer](#)



**At a glance**

- Magnetic position sensor for pneumatic and hydraulic cylinders with T-slot
- Output signal: analog, 4 - 20 mA current and 0 -10 V (in one sensor)
- Superior precision: 0.05 mm resolution, 0.1 mm repeatability, 0.3 mm linearity, 1 ms measurement rate
- Electric setting of zero point and end point via teach-in button (optional)
- Various lengths available from 32 - 256 mm
- Flexible sensor settings, monitoring, advanced diagnostics, and visualization thanks to IO-Link

**Your benefits**

- Maximum flexibility with several different measuring ranges from 32 to 256 mm
- Easy analog output setup: adjustable zero and end point can be taught via single button
- Drop-in T-slot mounting from above makes assembly easy
- Selectable installation direction to optimize cabling
- Efficient measurement of stroke due to minimal blind zones, increasing machine throughput
- Simple commissioning due to "in-range" indicator
- IO-Link provides easy data access from the PLC
- Quick and easy configuration



**Features**

Analog output (voltage):	0 V ... 10 V
Analog output (current):	4 mA ... 20 mA

**Mechanics/electronics**

EMC:	According to EN 60947-5-7 <sup>1)</sup>
Conductor cross-section:	0.14 mm <sup>2</sup>
Magnetic field sensitivity, min.:	3 mT
Protection class:	III
Resolution typ.:	0.03 % FSR (max. $\geq 0.05$ mm) <sup>2)</sup>
Repeat accuracy typ.:	0.06 % FSR ( $\geq 0.1$ mm) <sup>3)</sup>
Sampling rate:	1 ms

<sup>1)</sup> The analog measured value can deviate under transient conditions <sup>2) 3)</sup> FSR: Full Scale Range; max. measuring range



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