

Inductive linear position sensors with IO-Link technology – Technical data IO-Link

7 IO-Link – technical data

Physical interface	Physical 2 (3-wire)
Com-Type	Standard: COM 2 (38400 baud)
Frame type	Frame type 2.2

7.1 Process data transfer:

The process data is transferred in 16-bit format with which a value range of 3 digits is used for coding the error states.

User data value range:	0x0000 - 0xFFFF
0xFFFFD:	Signal Error
0xFFFFE:	Out of Range
0xFFFFF:	Out of Range + Signal Error

The position data is calculated as follows: **Position [μm] = Process data * Gradient**

Length	Gradient 16-bit mode
100 mm	1,525948
200 mm	3,051897
300 mm	4,577846
400 mm	6,103795
500 mm	7,629743
600 mm	9,155693
700 mm	10,681641
800 mm	12,207590
900 mm	13,733538
1000 mm	15,259487

The process data is transferred in accordance with the "big endian" specification.

