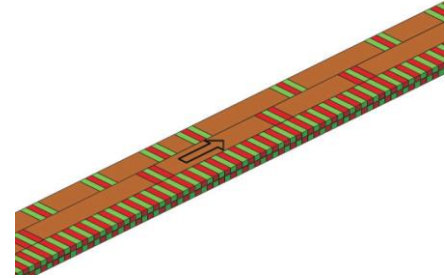




# Datasheet

- Insensitive to dust, humidity, oil and chipping
- Operates wear-free with the magnetic sensor
- Cost effective solution
- Variable length
- Easy to fix with double-sided adhesive tape
- Suitable for absolute sensors AHP2 SSI/BISS-C and AHP2-IOL

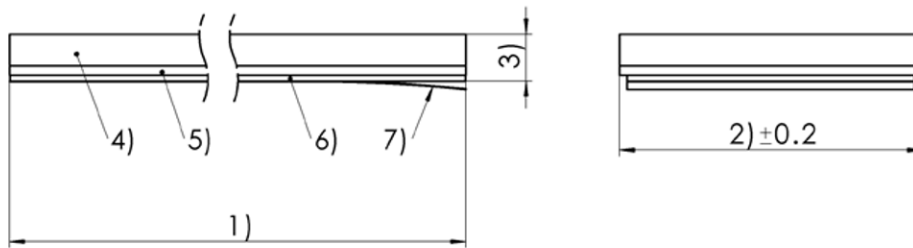


## Mechanical data

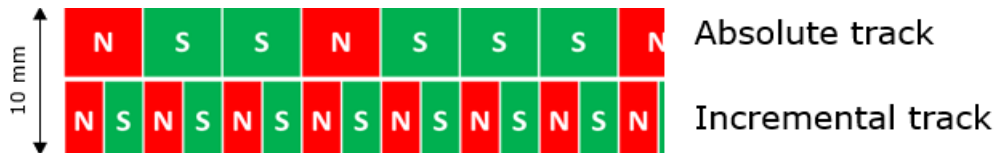
Dimensions		
Width	Magnetic tape	10 mm
Thickness	Magnetic tape	1,55 mm
	Cover tape	DB01: 0,15 mm
Length	Magnetic tape	< 1 m
Pole pitch		2 mm
Accuracy		±18 µm (refers to 1 m length) (System accuracy with sensor max. ±40 µm)
External magnetic fields in operation		< 30 mT (no damage) < 1 mT (no effect)
Storage temperature		-20 °C ... +80 °C
Temperature coefficient entire system		10,5 ppm/K
Ambient temperature		-20 °C ... +80 °C

## Dimensions

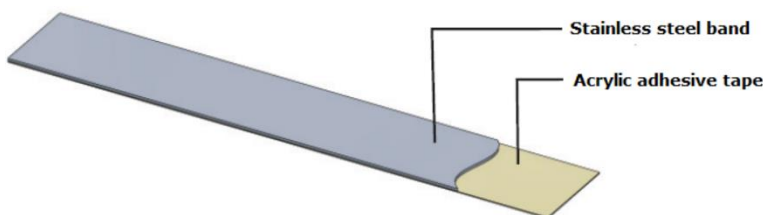
### Magnetic tape



1) Nominal/order length 2) Width 3) Tape height 4) Magnetic layer 5) Carrier strip 6) Glue layer 7) Protective film to remove



### Cover tape





# Datasheet

## Ordering example

<b>Type</b>	<b>M02-AS</b>	-	<b>18</b>	-	<b>1000</b>	-	<b>0</b>
<b>Accuracy*</b>							
18	= 18 µm						
<b>Measuring length</b>							
<b>1000</b>	= 1,0 m						
<b>Cover tape</b>							
<b>0</b>	= without						
DB01	= with cover tape						

- i** \*Accuracy related to 1m length.  
In application with absolute sensor AHP2 the accuracy is max. 40 µm ±.
- i** Magnetic tape length less 65 mm = usable measuring length  
Magnetic tape can be supplied assembled in any length as specified up to 8,19 m.