

Product discontinuation announcement

Absolute linear encoders

- × LMKA-x110x
- × LMKA-x310x

Absolute angle encoders

- × WMKA-2x10x

The discontinuation is valid for following interface types:

- × SSI + 1Vpp
- × BiSS/C
- × Mitsubishi
- × EnDat 2.2
- × Fanuc

Product introduction of new generation

Absolute linear encoders

- LMKA 2010 / LMKA 2110
- LMKA 3010 / LMKA 3110

Absolute angle encoders

- WMKA 2010 / WMKA 2110

The product introduction is valid for following interface types:

- SSI + 1Vpp
- BiSS/C
- Mitsubishi
- EnDat 2.2
- Fanuc

Dear Sir or Madam,

all incremental length- and angular encoders, which are in the AMO product range since 2005, will be no longer available for sale after 30.09.2017.

The introduction of the new generation of encoders based on an advanced ASIC and the discontinuation of the ASIC which is in use since 2005 are the reason for this product discontinuation announcement.

Last order of max. 50% of the last annual consumption:	30.09.2017
Last delivery:	31.03.2018

Product introduction of the new generation of linear- and angle encoders

The new generation encoders are already available since the beginning of 2016.

All necessary information for the change to the new generation of encoders are shown below and in the mentioned customers information at the end of this document.

For further questions, please do not hesitate to contact your AMO contact person.

Advantages of the new generation of linear- and angle encoders

Below you'll find the main advantages and improvements of the new generation encoders.

1. Higher resolution

Additional to the existing resolution of 10 bit and 12 bit within one grating pitch the new generation offers a highest resolution of 14 bit.

2. Higher speed

The electrical maximum speed for absolute linear and angle encoders has been doubled.

Detailed information you can find in the product information for absolute linear and angle encoders.

1. Improved interpolation error

The implementation of an advanced automatic signal compensation leads to an improved interpolation error in both performance classes.

Performance class S (Standard)

The interpolation error in the same range as at the old generation encoders.

Due to the advanced automatic signal compensation, the interpolation error remains constant over the complete range of mounting tolerances.

Performance class HA (High Accuracy)

An additional optimized signal adjustment process reduces the interpolation error compared to the performance class S.

Detailed information you can find in the product information for linear and angle encoders.

1. Extended supply voltage range

The power supply range is 3.6 V ... 14 V.

This extended supply voltage range results in significant longer signal cable length, important in applications where supply voltage is not controlled by the NC using sense wires.