



Position indicator AP05

Bus-capable position indicator
for guided size change-over

Short description

- succeeding model of AP04
- bus-capable position indicator with current position and set value display
- interface RS485 (SIKONETZ5), optional CANopen
- 2x red/green LEDs
- high mechanical robustness
- protection class IP53, optional IP65
- hollow shaft 20 mm
- mounting compatible with AP04, DA04, AG05, AG06

Advantages compared to AP04

- **Ideal readability** due to display with backlight
- **Optimized user guidance** with Status-LED's for positioning status AND rotational direction indication
- **Reinforced housing** – particularly on connector side – for increased bending and tensile strength
- **Impact-resistant Display** covered by protective glass
- **IP65**-version in the same compact housing as IP53 (no intermediate plate will be needed!)
- Improved **EMC**-resistance due to special protective measures
- **Cable outlet** 0.3m with M8 connectors as an option – space-saving and robust



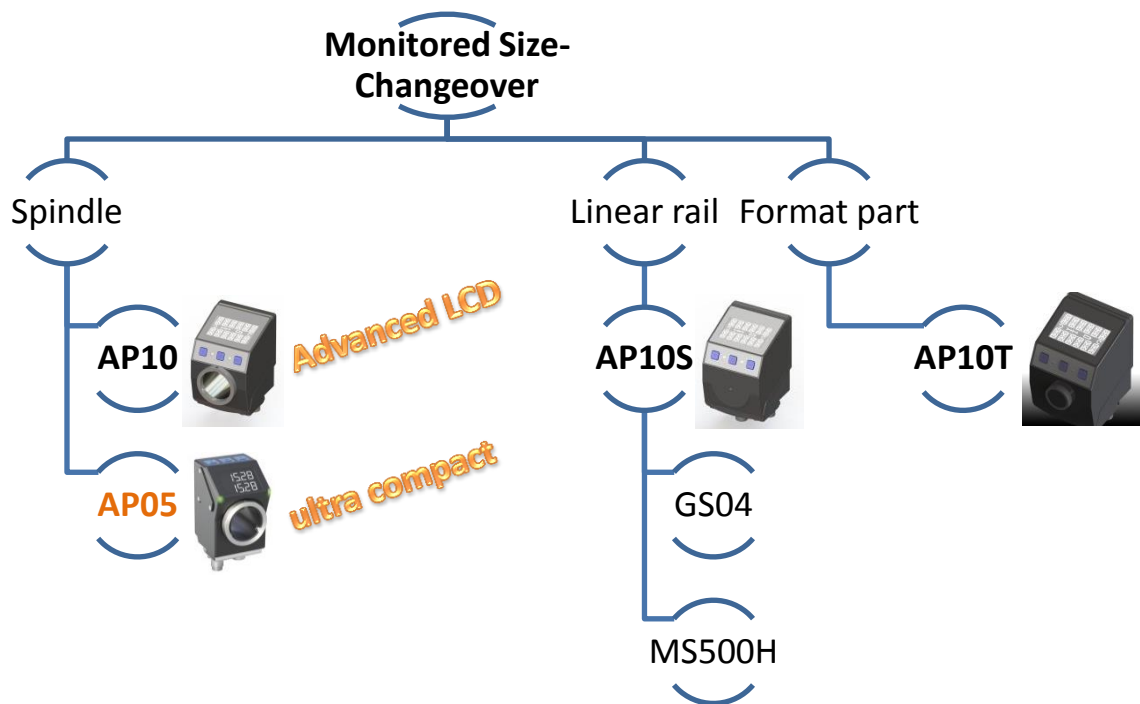
User benefits

- Monitored size change over for spindles for increasing the machine's efficiency
- Reduced setup times due to set point display directly at the spindle and indication of positioning status and required positioning direction
- No lost time due to wrong settings of guiding rails and tools
- No damage to machine elements due to wrong settings

Target Group

- Packaging and labelling machines
- Wood working industry
- Glass working machines
- Industrial machinery

Product portfolio



- AP05 as a position indicator with hollow shaft will complement the AP10-family. The communication protocol of AP05 for integration into the machine control unit will be 100% compatible with AP10. Thus we have full flexibility to combine AP05 and AP10 or interchange them with each other.
- For replacement of existing AP04 a special software version will be available which is 100% compatible with AP04.

AP04	CAN	S3/09 (Sikonet 5)	S3/00 (Sikonet3,4)
AP05	SW04	SW05	SW06

- AP04 is planned for discontinuation within 2017.

Suitable accessories and system components

- Reduction sleeve RH09
- Clamping plate KPE04, KPL04, KP09P
- Cable with connectors KV04S1
- Bus termination connector BAS-0005
- Interface converter „HMS Anybus Communicator“, e.g. for Ethernet/IP, Profibus, Profinet, ...
- Control unit ETC5000

Pricing

	Basic price	Options
AP05	238,- EUR	CANopen: 28,60 EUR IP65: 38,90 EUR Cable outlet E15X: tbd, you will receive further information

Availability / Delivery times AP05

Samples: limited number available on request from Dec. 2016
 Serial production: from March 2017, with 3 weeks delivery time

Competitor

- BaumerIVO, N140- and N150-series
- SIKO-advantages:
 - Mounting compatible with DA-series
 - Connection possible to various fieldbus and Ethernet networks (Anybus Communicator)
 - Availability of AP10S - version
 - Modern display with better readability
 - LED indicating position status and direction to target
 - Backup-battery interchangeable



Documents for product launch

- Press release: available from SIKO media database
- News-Info: <https://www.siko-global.com/en-de/news/new-products/ap05>
- Technical details: <https://www.siko-global.com/en-de/products/positionline-position-indicators/electronic-digital-position-indicators/ap05> (available from 27th Sep 2016, premiere at FachPack 2016 show in Nuremberg)

29. Juli 2016
Elektronische Positionsanzeige AP05
Premiere auf der FachPack 2016!
 Die neue AP05 hat nicht nur gezielte Erleuchtung, ist die kompakte aber hochpräzise Positionsanzeige von SIKO. Als Nachfolgeprodukt der weltweit marktführenden Positionsanzeige AP04 bietet die AP05 die gleichen präzisionsgenauen Messwerte und ist abwärtskompatibel. Der Schalter erfolgt nun von links nach rechts. Die Zielposition schnell und einfach zu erreichen. Dafür ist ein wesentlicher neues Element bei der AP05 ein verstellbares LED Display integriert. Die Beleuchtung sorgt dafür, dass die Werte für Soll- und Istposition auch bei schwacher Umgebungsbeleuchtung klar ablesbar sind.

