

POSITION INDICATOR

Designed for applications with limited space

Siko manufactures the AP20 encoder. It measures 48 mm x 88 mm x 61 mm and provides CAN and CANopen connectivity.



The AP20 requires about the size of a credit card (Photo: Siko)

For machines of the future, pure exchange of operational process data is no longer adequate. Comprehensive diagnostic options extend evaluation of the device status in this connection and convert position indicators such as the AP20 into advanced sensors. An electronic type plate takes care of this. The latter serves to identify the device type, serial number and current software version. Additional integration aids, function modules, libraries and add-on instructions make installation and commissioning easier and provide maximum efficiency in application and job set-up.

The AP20 encoder has numerous advantages from the perspective of the operator, stated the supplier. The option of displaying the target and actual position directly on the adjusting spindle significantly increases convenience and usability for the machine operator. The inverted backlit display plays a part in this, as it makes the information displayed easy to read even under the most unfavorable lighting conditions. Two-colored status LEDs aid intuitive user guidance. In addition to the positioner status (InPos or OutPos), the LEDs indicate the direction of rotation required to reach the intended target position. Product and size changeovers can therefore be carried out easily.

All position indicators by Siko feature a hollow shaft. The basic configuration of the AP20 comes with a hollow shaft with a 20-mm diameter. Hollow shaft diameters up to 25,4 mm are also possible without changing the compact dimensions of the product.

Due to the clearance of the torque support, the supplier's DA04 and DA09S mechanical position indicators can also be integrated with AP systems. The modular principle makes it easier to complete product and size changeovers that require manual monitoring. This means that the AP20 is suitable for production machines, which have to be refitted relatively frequently. Changes affecting the design of the machine frame or the entire system are not necessary when fitting the AP20. The entire system and machine design can be retained. The hollow shaft of the AP20 is made of stainless steel. In conjunction with the protection rating of IP65, the encoder is also suitable for applications in the food industry, drinks manufacturing, and the pharmaceutical sector.

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