

Rod-style model for hydraulic cylinders

Gefran's IK4-C CANopen is a contactless magnetostrictive linear position transducer. It integrates a microprocessor to process the measurement and to diagnose the transducer.

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The CANopen transducer has an operating temperature of -30 °C to +75 °C (Photo: Gefran)

CAN communication provides fast and safe transmission for the transducer. The use of the CANopen CiA 301 protocol and the CiA 406 device profile enables quick and easy integration of the transducer in the control and automation system. The transducer offers an absolute measurement of position and speed with strokes from 50 mm to 4000 mm. A range of connectors for the electrical connection is available.

The transducer has a position resolution up to 2 µm and a speed resolution up to 0,01 mm/sec. The IK4 line's mechanical structure offers improved features for in-cylinder use, including a series of multi-connector models, free rotation of the connector head, and replacement of internal electronics without removal of the transducer.

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