Reverso Encoder

RevEnc is an innovative encoder based on magnetic field detection of a reference magnet. The reference magnet moves over an active area composed of a magnetic Hall sensor array.

The position of the reference magnet is detected both relatively and absolutely. The corresponding output signals are a SIN/COS 1 Vpp analog output, and absolute information via the Hiperface serial interface, or DSL compatible with the Sick protocol.



The mounting distance between the reference magnet and the detecting region is not critical: it can range from 5 to 20 mm. The encoder is tunable and programmable using PC software.

The output resolution and the electronic datasheet information are stored in the encoder memory.

RevEnc is particularly suitable for use with NILAB's R series linear motors. It enables high-performance linear axes without cables during movement.

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