

Product information

Pulse encoders from Leine&Linde are a type of sensor used to feed back speed or position for rotational or linear movements. Encoders are often used on electrical motors in the paper and steel industries, cranes, robots and material handling systems as well as various types of measurement, testing and inspection systems.

Model 300 Series (Miniature)



The Model 300 series consists of robust and extremely reliable miniature encoders, 30 mm in diameter, designed for installation in applications where space is at a premium. Various types of incremental electrical interfaces including TTL, HTL and RS-422 are supported in the series. Some typical applications are in harvesting apparatus and industrial high-pressure washing equipment. The series' high encapsulation level, IP67 and the shock and vibration resistant design guarantee long life and ensure a durable sensor solution with high dependability.

Model 500 Series (Robust)



“Versatile” and “modular” are catchwords that differentiate the incremental and absolute encoders in the Model 500 Series of robust encoders. Used in many different types of industrial applications such as electric motors, cranes, elevators and general automation, the series' mechanical, optical and electrical interfaces have become industry standard. If the standard selection of interfaces does not suit the application's particular requirements, customised, cost-effective solutions may be provided with short lead times.

Model 600 Series (Robust)



Field bus interfaces based on Ethernet, PROFIBUS or CAN are examples of the communication protocols often used in automation. These interfaces are available on the Model 600 Series absolute coded singleturn or multiturn encoders. A robust mechanical design in shaft or hollow shaft design ensures that installation and start-up of these models are always reduced to a minimum. Serial point-to-point interfaces such as EnDat or the popular SSI are examples of other communication interfaces often used for position feedback from absolute coded encoders.

Model 800 Series (Heavy duty)

When the most robust, maintenance-free and cost-effective pulse encoder solution is sought after, the encoders in the Model 800 Series are the first choice of the majority of designers. The optional ADS™ (Advanced Diagnostic System) is a built-in system used for condition-based or preventative maintenance, guaranteeing the reliability of the application. Demanding environments and electrically or mechanically stressful installations are circumstances the encoders in the Model 800 Series are often exposed to and for which they are well-protected. Accessories and ready-made design solutions meant to guarantee operation and increase service life which reduce the total cost of the application are also offered as options for the encoder series.



Model 1000 Series (Extreme)

The Model 1000 Series is designed to meet the extreme robustness demands of the steel industry. With its sturdy bearings the product has an exceptional durability in all applications of high mechanical loads, vibrations and shock. The encoder has a high encapsulation level, IP67, to protect its inner parts from dust and liquids of a harsh environment. As a special option, the housing can be provided in stainless steel. Several incremental and absolute versions are available, and a combination of the two encoder types can be integrated in the same product. The absolute variants are available with interface for SSI, EnDat, PROFIBUS, DeviceNet™, CANopen and with parallel output.



Accessories

Connectors, shaft couplings, draw-wire units and measuring wheels are just part of Leine&Linde's line of accessories. Accessory cables, connectors and all the other accessories that can be used in an application should always maintain the same high quality as the encoders Leine&Linde deliver. The best way to guarantee that the accessories are of this high quality is to use only accessories that have been verified regarding operation and performance and are offered as Leine&Linde accessories.



