

ELTOMATIC

Complete solutions between meter and computer

Company Profile



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Company Profile

Eltomatic was founded in 1978 in Pandrup, in the northern part of Denmark, just 20 km north of Aalborg Airport and only a 30 minute flight from Copenhagen. From the beginning, and through to present day, our main product has been electronic shaft encoders for the fuel dispensing industry. Eltomatic has 30 years of experience with Ex approved incremental shaft encoders for use in environments where potentially explosive atmospheres can be expected.

Partnership

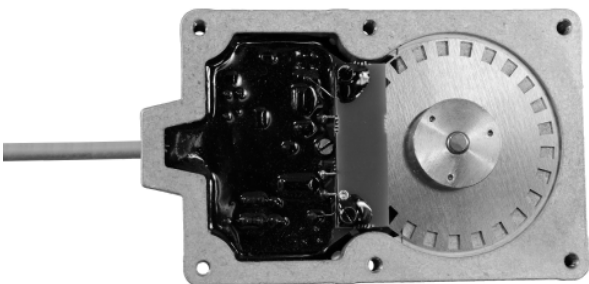
Our motto, “**Complete solutions between meter and computer**” is reflected in Eltomatic's willingness to work together with a customer to develop and manufacture an optimal solution. Some of our most successful products have been developed in close cooperation with our customers. Contact Eltomatic right at the start of your new development project and together we will find the optimal solution.

Our product quality

Reliability, Adaptability, Complete solutions, Cost Effective and Robust are key words and have brought Eltomatic's encoders and ancillary equipment to the forefront in the fuel dispensing and petrochemical industries.

Our product range is:

- Infrared incremental shaft encoders
 - Integrated magnetic incremental encoders
 - Integrated and remote totalizers
 - Drive gearbox for remote totalizers
 - Flexible shaft to connect gearbox/remote totalizers
 - Mounting brackets
 - Mounting kits for various registers
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- Cover solution for flow meters, e.g. LC, B&R and FMC, which effectively replaces the mechanical register



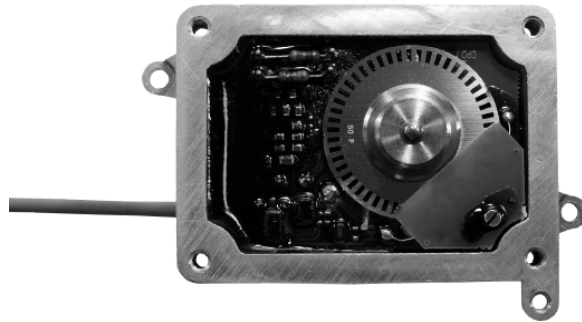
Eltomatic's Ex-approved incremental shaft encoders are available in a wide range of mechanical and electrical variations. We can supply you with a "ready to use" solution for your production line.

Our shaft encoders range from very simple types to encoders with built-in microcontrollers, which allow unique "intelligent" features such as programmable select modes, suppression of illegal reverse rotational pulses, self monitoring of important parameters, predefined alarm modes, etc.

Our flexible modular accessory program gives our customers the possibility of easily compiling their own solution.

The rugged and compact construction also means that our products are very suitable for other applications such as machine control and monitoring.

The encoder housings are moulded in a seawater resistant aluminium alloy and the electronics are moulded in, which provides good environmental and shock protection.



Optical shaft encoders

In all our standard encoders, the basic principle used is a slotted code disk that is made to rotate between an infrared LED and a photo transistor (an opto-coupler). As the disc rotates, it interrupts the light flow in an on/off sequence, thereby generating pulses. This gives a very robust and flexible product.

Magnetic encoders

In magnetic encoders, rotational detection is made with a magnetic code disk and Hall Effect Integrated Circuits. The distance between the code disk and the detecting devices is critical and has to be very precisely monitored. This detection principle is useful when a very compact and economical solution is needed. Eltomatic has developed several of this type of encoder completely integrated in the customer's flow meters.