

Company Profile

Eltomatic A/S was founded in 1978 in Pandrup, in the northern part of Denmark - only a 30 minutes flight from Copenhagen. Since the beginning, and through to present day, our main product has been electronic shaft encoders for the fuel dispensing industry. Eltomatic has more than 35 years of experience with Ex approved incremental shaft encoders for use in environments where potentially explosive atmospheres can be expected. On January 1st 2014, Eltomatic A/S was acquired by Scancon A/S, a Danish manufacturer of optical encoders. Eltomatic A/S will continue to operate as a separate entity and will continue to provide existing range of high quality products.

Partnership

Our motto, "Complete solutions between meter and computer" is reflected in our willingness to work together with customers 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 from the start of your new development projects - 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. We track our encoders back to the very beginning of our company history, which enables us to reproduce any Eltomatic encoder if the serial numbers is available to us.

Our product range is:

- Infrared incremental shaft encoders
- Integrated magnetic incremental encoders
- Integrated and remote totalizers
- Drive gearbox for remote totalizers
- Flexible shaft for gearbox/remote totalizers
- Mounting brackets and kits for various solutions
- Cover solution for flow meters, e.g. LC, B&R and FMC.
- Encoders for vapor recovery



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.

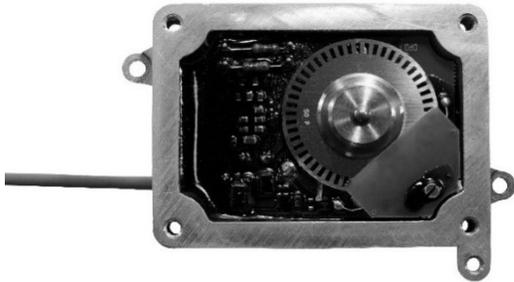
Our shaft encoders range from very simple types to encoders with built-in microcontrollers, which allow unique "intelligent" features such as programmable select modes, suppression of illegal reverse rotational pulses, self-monitoring of important parameters, predefined alarm modes, etc.

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 housing is molded in a seawater resistant aluminum alloy and the electronics are molded in, which provides good environmental and shock protection.

Optical shaft encoders

In all our standard optical encoders, the basic principle used is a slotted code disk which 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.

PD meters

All over the world, in countless applications, liquid flow meters fitted with mechanical registers are still being used to measure and record the transfer of liquids. In the petroleum industry especially, fast and accurate volumetric measurement during custody transfer has always been critical, second only in importance to safety.



Eltomatic has developed a simple solution which allows you to quickly replace a mechanical register with an electronic encoder assembly. A sturdy aluminum housing with an Ex approved encoder mounted inside is easily attached to the flow meter using only 4 bolts.

Kits for VR mechanical registers and LC meters

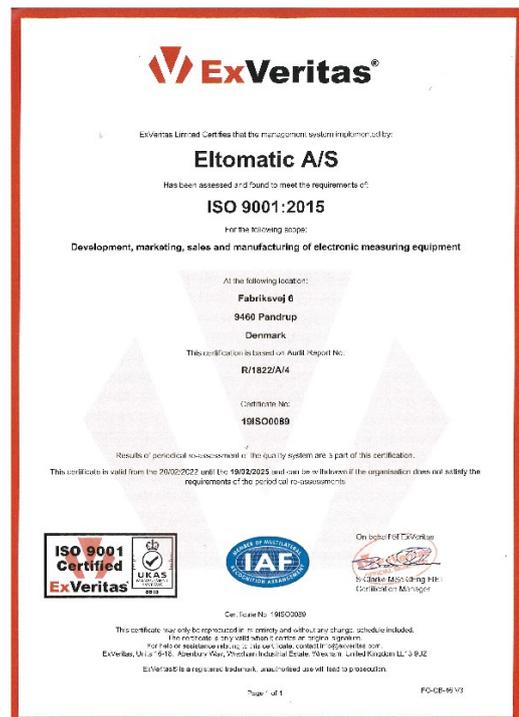
Eltomatic offers several solutions for upgrading a mechanical meter register by fitting it with an electronic interface. We have presently 4 standard kit versions in our program.

Kit version	Kit number
VR with printer (01-09)*	99.5002
VR without printer (01-09)*	99.5004
VR without printer (01-08)*	99.5001

*other solutions are available on request

Quality system and approvals

Eltomatic's quality system is certified according to ISO 9001:2015.



Since 20. February 2014 the European Directive 2014/34/EU has been mandatory.

This directive is known as the "Manufacturing Directive" and is the legal regulation for equipment and protection systems for specified use in areas with an explosion hazard.

All Eltomatic shaft encoders are approved according to one or in some cases two ATEX protection categories.

Most of the encoders are MID approved.

Contact

Send us your request to eltomatic@eltomatic.com or call us at +45 98 24 61 66