



Technology from FSG Fernsteuergeräte sets standards **Draw-wire encoder from FSG - the original**

May 12, 2022

FSG Fernsteuergeräte has been a leading manufacturer of sensor technology for over 75 years. At four locations in Germany, the company develops and manufactures innovative products for angle, inclination, length and position sensors. They are used worldwide in construction machinery, in industrial production, in vehicles and rail transport systems, in shipbuilding and in numerous other industries. Some of FSG's developments have set the standard in their class - for example the wire-actuated encoders for length measurement.

Draw-wire encoders are indispensable as reliable sensors for measuring the length of linear motion sequences. FSG Fernsteuergeräte offers three standard series of wire-actuated encoders for a wide range of applications in a wide variety of environments.

The robust premium series **SL3000** with aluminium housing (optionally also V4A) is designed for industrial applications, with measuring lengths of up to 60 metres. A mechanical masterpiece is the movable cable drum in the housing: it causes the cable to rewind neatly when the spring pulls it back. The SL3000 is a bestseller and sets the recognised standard for wire draw encoders in terms of accuracy, quality and durability - the original from FSG Fernsteuergeräte.

The less expensive Compact Series **SL0** is designed for measuring lengths of up to 15 metres. Like its big sister, this series has a sturdy housing made of anodised aluminium, but no movable measuring drum. The SL0 models are therefore narrower compared to the SL3000 series. As standard, they are equipped with a bellows on the cable pull-out as dust and corrosion protection.

The **SL00** (Basic) series completes the range as a compact, yet highly precise and above all inexpensive version with measuring lengths of up to 10 metres. Thanks to their durable plastic housing and their narrow Design, these wire-actuated encoders are particularly light and can be installed even in the most confined spaces.

Always the right solution

This standard programme is the basis for the almost innumerable variants with which FSG Fernsteuergeräte realises individual customer wishes - also in small series or even as one-offs. The spectrum ranges from specific materials (V4A, aluminium, plastic) or special colours for the housing to special designs such as the SL5 model (Heavy Duty). This means that wire-actuated encoders from FSG are also suitable for use in difficult conditions such as heavy soiling, extreme heat or cold, risk of corrosion from seawater, near high-voltage power lines or in locations with a risk of explosion.



FSG wire-actuated encoders in all series were originally fitted as standard with the company's own potentiometers or Rotary Encoder with their wide range of signal outputs, connection and combination options (e.g. CAN, PROFINET, HART protocol and others). In the meantime, however, all wire-actuated encoders from FSG Fernsteuergeräte can also be combined with encoders from other manufacturers and other accessories.

The experts at FSG Fernsteuergeräte not only have the necessary know-how for the best solution in each case: thanks to the high vertical range of manufacture of 90 percent, the manufacturer is also able to produce practically all components of a special version (including electronic ones) within a short time. In-house measuring and testing facilities as well as a complete quality control system ensure that the products leave the factory in perfect condition.

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About FERNSTEUERGERÄTE Kurt Oelsch GmbH

FSG FERNSTEUERGERÄTE is a leading supplier and manufacturer of measurement and sensor technology. The group of companies develops potentiometers, rotary and wire-actuated encoders, Inclination Sensors as well as joysticks and many other components for almost all industrial sectors. Founded in 1946, the company is headquartered in Berlin, with three additional plants in Zernsdorf and Kablo in Brandenburg and in Heppenheim (Hesse). FSG Fernsteuergeräte employs about 500 people. With a high vertical range of manufacture of 90 per cent, the company is able to act largely independently of suppliers and also produce individual customer requests, small series or prototypes quickly and in the highest quality.

(710 characters incl. spaces)



Image overview:



FSG-Seilzuggeber-Portfolio.jpg: The standard series of FSG wire rope encoders, from left: SL0 (Compact), SL3000 (Premium) and SL00 (Basic)

Picture: FSG Fernsteuergeräte

Meta-Title: Draw-wire encoder from FSG - the original sets standards

Meta-Description: FSG sensor technology is used in key sectors of industry worldwide. FSG wire-actuated encoders set the standard in their class.

Keywords: FSG, FSG Fernsteuergeräte, Fernsteuergeräte Kurt Oelsch GmbH, FSG K. Oelsch, Sensor technology, Draw-wire encoder, Draw-Wire Encoders, Length measurement, Sensor technology, Position sensor technology, Rotary Encoder, Angular position encoder, SL3000, SL0, SL00

Deeplinks:

www.fsg-sensors.de

<https://www.fsg-sensors.de/seilzugsensoren>

Download area: <https://www.koehler-partner.de/project/fsg-presseservice/>

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