



Premium draw-wire sensor series SL3000 -
Robust, precise, durable: the original

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Wire-actuated encoders from FSG Fernsteuergeräte are used in numerous industries around the world, for example in industrial production plants, in construction machinery, vehicles and rail transport systems or in shipbuilding. With its design, which has been tried and tested and perfected over decades, the premium SL3000 series from the innovative manufacturer has set an internationally recognised standard.

A true mechanical masterpiece is the moving rope drum inside the SL3000: it causes the highly flexible steel rope to spool up again cleanly and in a single layer when the spring pulls it back. Often copied, the moving rope drum developed by FSG some 30 years ago forms the core of the original.

With its robust design, the SL3000 premium series is constructed for industrial applications where the highest level of operational safety is important. Many well thought-out details contribute to this. For example, the bellows fitted as standard at the outlet opening of the rope prevents dust and dirt from getting into the housing during spooling. If water gets in, which cannot be completely prevented, it drains away again through openings on the underside. The housing is made of aluminium, optionally available with a resistant coating as well as in V4A stainless steel. Other special versions can also be used in environments with special safety requirements such as explosion protection.

Three standard models with numerous options

The three standard models of the SL3000 differ in the measuring length of the wire and the circumference of the housing (GS), which ranges from 80 x 80 to 190 x 190 millimetres. The smallest model at the moment is the SL3000-GS80 wire-actuated encoder with measuring lengths of up to 3 metres, followed by the SL3000-GS130 with measuring lengths of up to 30 metres. The largest model, the SL3000-GS190, enables measuring lengths of up to 60 metres. What they all have in common is the highest measuring accuracy, from the smallest to the longest length.

Numerous variants build on the standard programme, which are often created in close consultation with the customer, sometimes in small series or even as one-offs. Once manufactured and in use, it is also possible for a customer to subsequently modify his unit or retrofit it with accessories if, for example, certain production conditions should have changed.

Like all wire-actuated encoders from FSG, the premium SL3000 series can be equipped with a wide variety of sensors and extensive other accessories, depending on the



customer's application and requirements. FSG's own Rotary Encoder and potentiometers are perfectly matched to the SL3000 series, offering a wide range of signal outputs and connection options (e.g. CAN, PROFINET, HART protocol and many more). In addition, SL3000 series devices can also be equipped with all other commercially available encoders.

The SL3000 is still a bestseller and a recognised benchmark for wire draw encoders in terms of accuracy, quality and durability - the original from FSG.

(3,062 characters incl. spaces)

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_Premium_SL3000.jpg: The three basic models of the premium SL3000 series from FSG remote control units: SL3000-GS190, SL3000-GS80, SL3000-GS130 (from left)

Picture: FSG Fernsteuergeräte



Meta-Title: Premium cable tension sensor SL3000 from FSG Remote Control Devices.

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

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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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