

Wire-Actuated Encoder SG120

Multi-purpose wire-actuated encoder with measuring lengths of max. 12000mm, sturdy design as well as precise and reliable wire guide, made ready for attaching a great variety of rotational encoders with 58mm standard flanges.



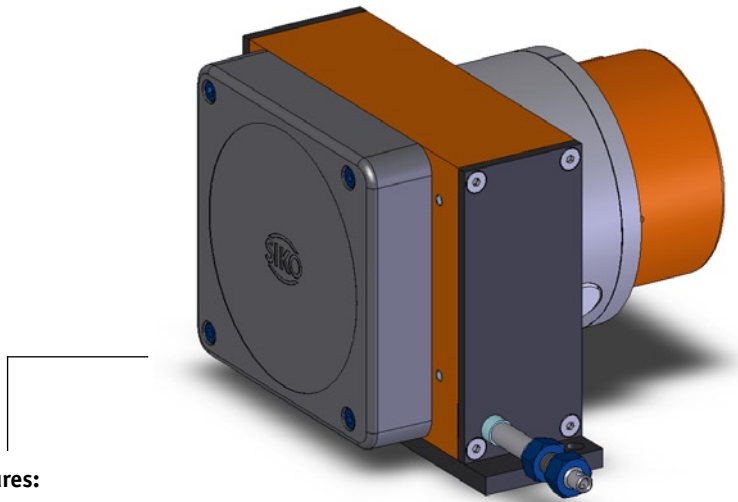
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Features:

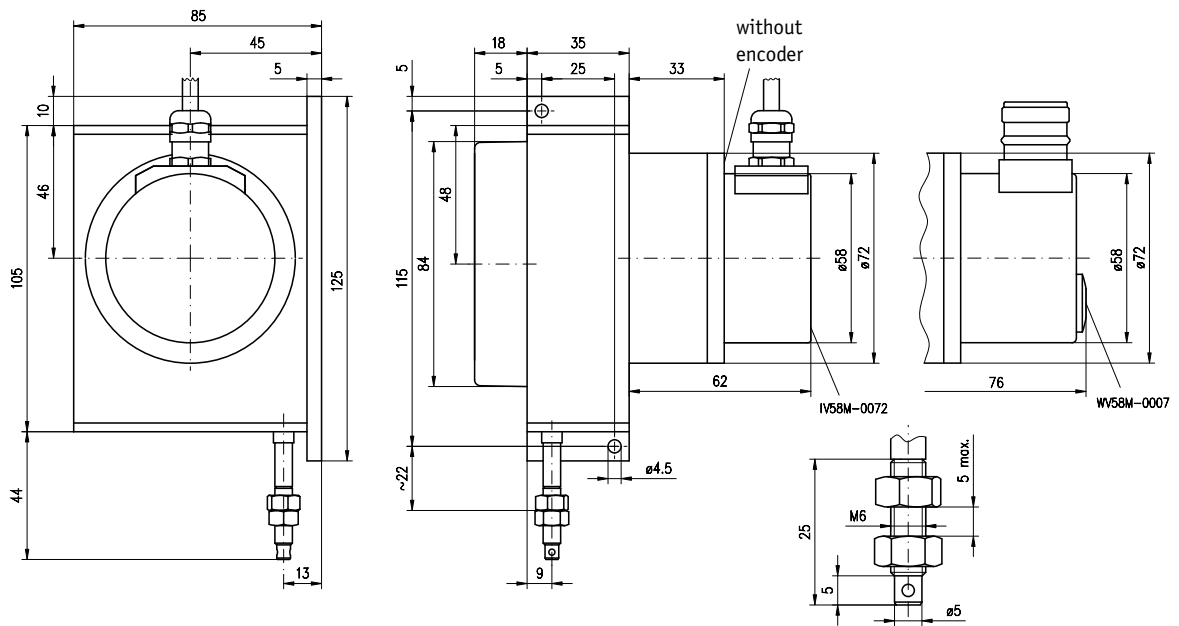
- measurement lengths up to 12000 mm
- sturdy housing
- **Option**
choice of wire types:
(S) steel wire: stainless, standard design
(SK) steel wire with plastic sheath,
2 times more tear-resistant
(P) para-line, 4 times more tear-resistant than steel wire

Feature	Ordering data	Additional information
Measurement range	2900 A in mm ... intermediate lengths in steps of 100mm 12000	
Wire version	S B stainless steel wire SK steel, plastic-sheathed P para-line, non-conducting, signal colour	measurement range max. 6100 - 12000 mm measurement range max. 4100 - 8000 mm measurement range max. 2900 - 5600 mm
Encoder type	IV58M-0072 C Standard ; incremental WV58M-0007 Standard ; absolute OG6 without encoder OG8 without encoder	Operating voltage: 10 ... 30VDC Output signal: ABO Output circuit: PP (push-pull without inverting) Resolution: 10 pulses/mm 1m cable with open cable end *
		Operating voltage: 10 ... 30VDC Interface/protocol: S6/04 (RS422/SSI) Resolution: 20,48 steps/mm Connection type: E2 (connector M12) *
Colour	0 D orange RAL 2004	with coupler diam. = 6mm with coupler diam. = 8mm

* for additional encoder versions please refer to product data sheets IV58M and WV58M

Your ordering: SG120 - A - B - C - D

Wire-Actuated Encoder SG120

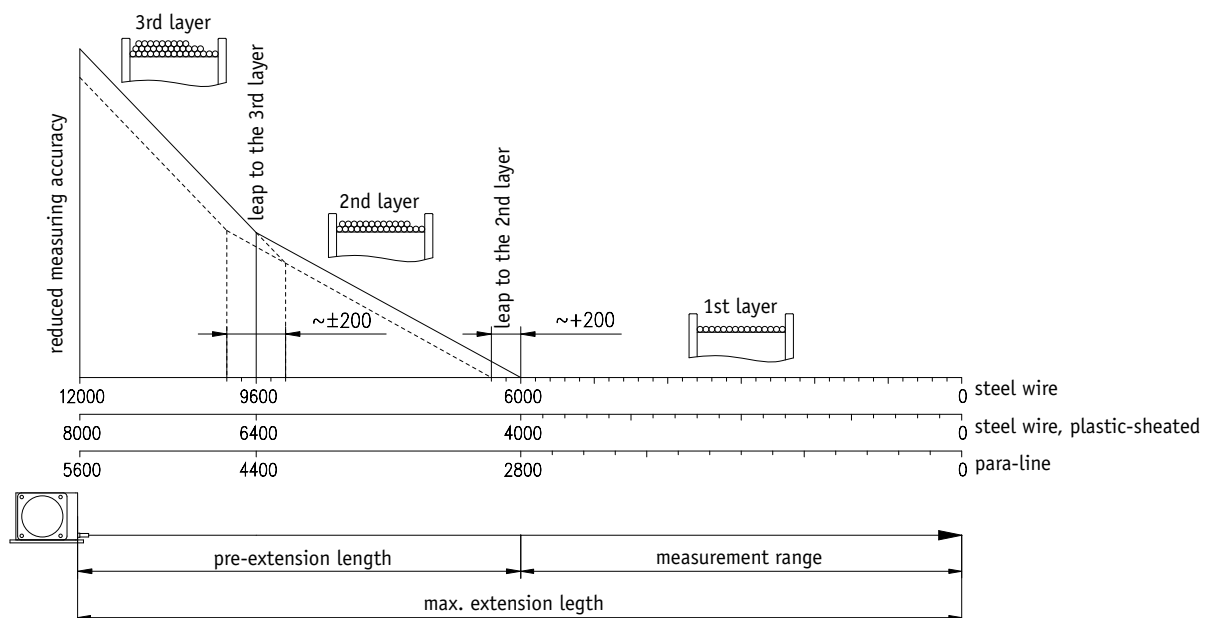


Extension length/measurement range

Wire-actuated encoders achieve optimum measuring accuracy if only one layer is wound on the drum (**measurement range**). Thus, the diameter of the steel wire enables the use of the max. **measurement range** of 6000mm in the first layer. The larger diameters of the para-line or plastic-sheathed steel wires require more space and reduce the **measurement range**. (plastic-sheathed wire: 4000mm; para-line wire: 2800mm)

Winding up a second or third layer is possible at the expense of measuring accuracy.

Thus, we can get a max. extension length of 12000mm with the steel wire, 8000mm with the plastic-sheathed steel wire and 5600mm with the para-line wire.



Technical data

Travel speed	max. 3000 mm/s	
Required wire extension force	min. 8 N on wire	
Repeat accuracy	dependent on start direction, ± 0.15 mm	first layer
Drum circumference	200mm	
Type of protection	IP54 (standard encoder)	according to DIN VDE 0470
Working temperature	-20°C ... +80°C	
Housing	aluminium/plastic	
Colour	orange, RAL 2004	other on request
Weight	ca. 700g	

Additional information

Seilzuggeber SG120

Universeller Seilzuggeber mit Messlängen von max. 12000mm, robustem Aufbau sowie präziser und sicherer Seilführung, vorbereitet für die Anbringung unterschiedlichster Drehgeber mit 58mm Standardflansch.



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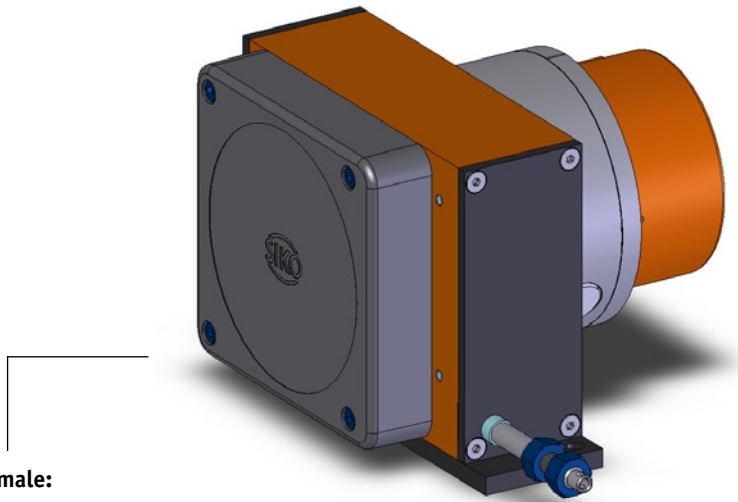
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Merkmale:

- Messlänge bis 12000 mm
- robustes Gehäuse

■ **Option**

Seiltypen nach Wahl:

(S) Stahlseil: rostfrei, Standardausführung

(SK) Stahlseil mit Kunststoffummantelung,
2 x reißfester als Stahlseil

(P) Para-Leine: 4 x reißfester als Stahlseil

Merkmal	Bestelltext	Ergänzung
Auszuglänge	2900 ... 12000	A in mm Zwischenlängen in 100-mm-Schritten
Seilausführung	S SK P	B Stahlseil, rostfrei Stahlseil, kunststoffummantelt Para-Leine, nichtleitend, Signalfarbe
		Messbereich max. 6100 - 12000 mm Messbereich max. 4100 - 8000 mm Messbereich max. 2900 - 5600 mm
Gebertyp	IV58M-0072 WV58M-0007 OG6 OG8	C Standard ; inkremental Standard ; absolut ohne Geber ohne Geber
		Betriebsspannung: 10 ... 30VDC Ausgangssignal: ABO Ausgangsschaltung: PP (Gegentakt ohne Invertierung) Auflösung: 10 Impulse/mm 1m Kabel mit offenem Kabelende *
		Betriebsspannung: 10 ... 30VDC Schnittst./Protok.: S6/04 (RS422/SSI9) Auflösung: 20,48 Schritte/mm = 0,048mm/Schritt Anschlussart: E2 (Stecker M12) *
Farbe	0	D orange RAL 2004

* weitere Geber-Varianten siehe Produkt-Datenblatt IV58M und WV58M

Ihre Bestellung: - - - -

