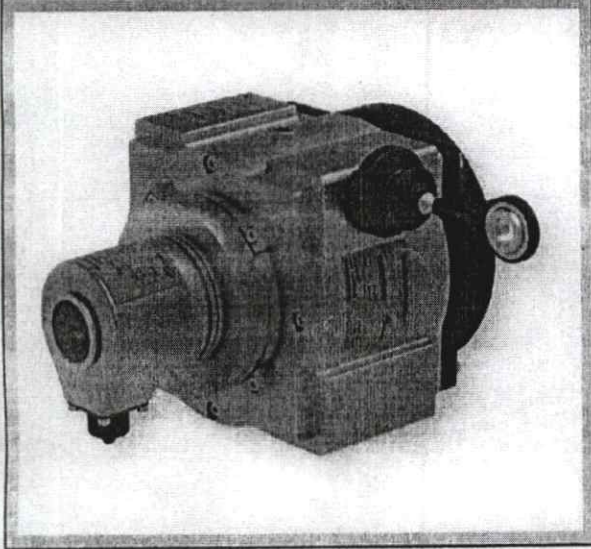


fsg

Ⓚ, Ⓛ
dm, lm

Rope Length Transmitter of series SL

Characteristics of series SL



- measuring length up to 60.000 mm
- patented wire drum mechanic:
A high-flexible measuring wire, made of rust- and acid-proofed stainless steel, will be wound on a precise measuring drum which will be powered by a spiral spring. During this winding operation, the measuring drum will be staggered via a threaded spindle in axial direction, so that the measuring wire will be wound parallel always in a constant pitch.
- robust drum casing, material: aluminium
- high reliability and accuracy of measurement
- possibility to mount all accessories to improve the use; guide pulley, compressed air attachment etc.
- possibility to attach all encoding systems customary in trade
- Ex-approval available

Technical data	SL 3002 GS 55	SL 3001...3003 GS 80				SL 3005...3030 GS 130						SL 3030...3060 GS 190				
	2 m	1 m	2 m	3 m	5 m	10 m	15 m	20 m	25 m	30 m	30 m	35 m	40 m	50 m	60 m	
Measuring length up to	2 m	1 m	2 m	3 m	5 m	10 m	15 m	20 m	25 m	30 m	30 m	35 m	40 m	50 m	60 m	
Casing material	aluminium, anodized															
Circumference of drum (incl. wire)	125 mm	200 mm				334,1 mm / 332,4 mm ***						491,5 mm				
Measuring wire Ø	0,55 mm	1,35 mm				1,35 mm / 0,81 mm ***						1,35 mm				
Material of measuring wire	1.4401															
Linearity *	± 0,1 %															
Reproducibility *	0,1 %															
Hysteresis *	0,05 %															
Speed adjustment	8 m / s	8 m / s				8 m / s	6 m / s	3 m / s			4 m / s					
Spring-return strength	4 - 8 N	5 - 15 N				10 - 21 N						18 - 37 N				
Life cycle (typical) **	up to 1 million complete reversal cycle															
Temperature range	- 30° C up to +70° C															
IP code	IP 64															
Weight (without encoder)	0,6 kg	0,9 kg	1,1 kg	1,5 kg	2,5 kg	3,5 kg	5 kg	6 kg	7,5 kg	8,5 kg	14,2 kg	16 kg	20 kg	14,5 kg	15,5 kg	
Dimensions (in mm)																
A ***	45	34	42	60	77	100	147	169	216	238	173	188	203	195	210	
B ***	65	57	72	98	122	167	236	281	350	395	285	315	346	292	322	

Please see for technical data of FSG encoder the chart on page 10.

* referring to measuring value of Rope Length Mechanic without encoder system

** The life cycle is dependent to the type of load. Factors of influence are: environmental conditions, mounting conditions, used measuring range, traverse speed as well as acceleration.

*** While using a measuring wire with Ø 0.81 mm the model is shortened.

out put : 4-20 mA

supply 18-33V DC