Length Sensor

Making Linear Measurement Easier

Length sensors are ideally suited for easy and accurate linear distance measurement, whether for construction machinery or test and measurement equipment. Despite the long measuring distances, the compact design of the rope sensors results in less installation effort than conventional products, and thanks to the robust components, the rope sensors operate reliably in harsh environments with low maintenance.
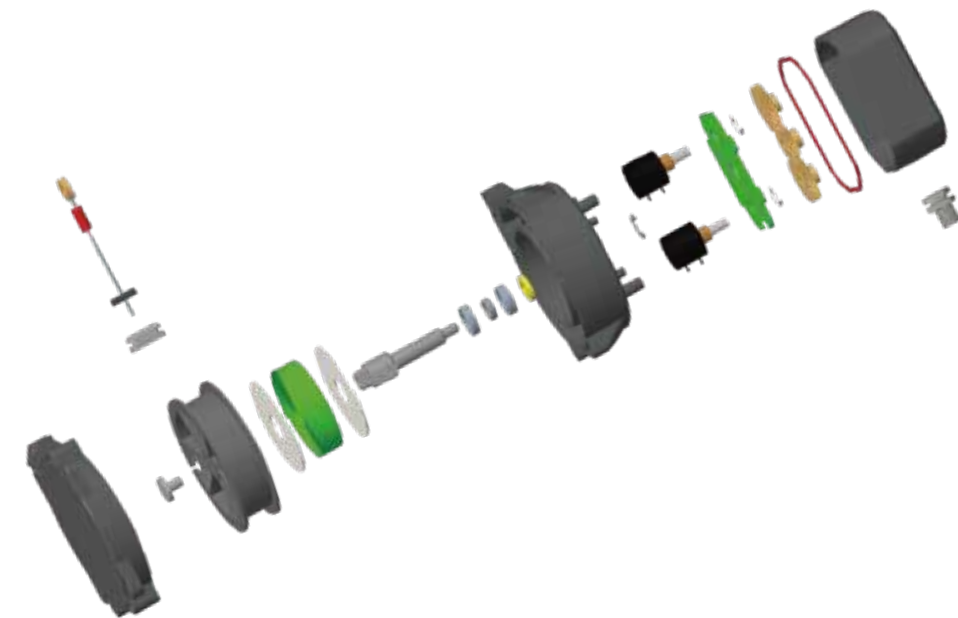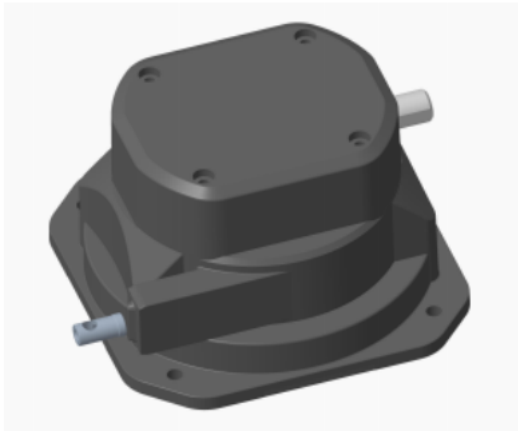
Product Advantages

Compact and modular design
Measuring lengths up to 35m
Output signals CANopen and 4-20mA current type available
Wide range of mounting accessories for optimal and reliable installation

Mobile Device Measurement System Applications
Record heights for work platforms
Detecting the length of extension arms
Height determination of conveyor systems on assembly lines

LG--M length sensors

■ Product Features.

Add temperature compensation function, support full temperature zone compensation;

-Adopting imported plastic-coated steel wire rope, better softness;
-Adopting two-cavity design, the product shape is smaller;
-Redundant design to meet the needs of building a safe system architecture;
-Optimized shell and mechanism design, with stronger anti-vibration shock and anti-interference performance;

IP67	✓		✓	-40...+85 ℃	7x7
更高 防护等级	抗振动 / 冲击	冗余输出	反接保护	工作温度	7×7 柔性钢丝绳
10 m	IN OUT Cycles: 500.000	Analog			
最大测量长度 10 m	使用寿命	角度输出			

产品型号 Product Model
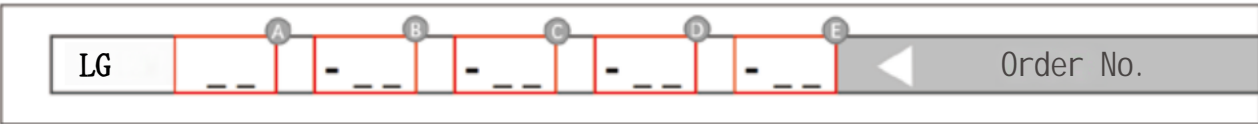
LG ⃝A - ⃝B - ⃝C - ⃝D - ⃝E   Order No.

Ⓐ	测长范围
10	10m
12	12m

Ⓒ	接头形式
A	M12接头
B	出线
C	定制

Ⓔ	其他
Y	冗余
N	非冗余

Ⓑ	输出信号
1	CANopen
2	4~20mA

Ⓓ	角度输出
A	带角度输出
B	不带角度输出

parameters

Description	Parameters	Remark
Speed	1m/s	
Measuring length	12m	Customizable
Operating temperature	-40~+85℃	
Type of telemetry	Wire rope	
Shell material	ABS+PC	
Vibratory	30g ,10-2000Hz	
Impact	500g ,1ms	
Protection class	IP67	

Electrical parameters

Description	Parameters	Remark
Scope of supply	9~36DVC	
Length accuracy	±0.3%FS	
Angular range	±90°, ＜±0.5°	
Signal output	CANopen/4~20mA	Customizable
EMC immunity	DIN EN 61000-6-2	
EMC Emission Interference	DIN EN 61000-6-4	

产品安装 Product Installation