

### SZ1850 Cable Pull



#### Main Features

- Suitable for customized installation of analog or digital encoders of 58 mm diameter.
- Resolution: depending on the encoder
- Easy installation
- Rugged aluminum housing
- High noise immunity
- Customized special designs available

#### Electrical data

Potentiometric output	1 k $\Omega$ (Other values on request)
Analog output	0 ... .10 V or 4 ... .. 20 mA
Resolution	Depending on the encoder

#### Technical data - Mechanical data

Measuring range	0 to 50000 mm(SZ1850-M) 0 to 50000 mm(SZ1850-A)
Linearity	+ / - 0.05% of ultimate value
Circumference of micrometer drum	500 mm / revolution
Acceleration	2 M/S <sup>2</sup>
Spring return	15N/30N
Measuring wire diameter	1 mm
Speed of adjustment	5m/s
Reproducibility	equal to resolution
Casing material	Aluminium 2017A
Material of measuring wire	Stainless steel 316L
IP code of casing	IP67(SZ1850-M) IP65(SZ1850-A)
Operating temperature	-20°C to +80°C
Storage temperature	-40°C to +80°C
Lifetime	100 000 cycles



### Compact sensor for industrial use

The cable control sensor of the series SZ1850-A is ideal for the measurement of linear movements and positioning in industrial applications. The compact design allows an easy assembly. The robust aluminum housing in combined with our high production quality enables an accurate measurement even at hardly accessible measuring points

Order code (6 mm shaft diameter): SZ1850-M-50000-6

Order code (10 mm shaft diameter): SZ1850-M-50000-10

#### SZ1850-analog

<p><b>SZ1850-A</b></p> <p>Model</p> <p>Measuring length mm</p> <p>20000/30000/40000</p>	<p>Output types</p> <p>U10 = 0...10V</p> <p>I420=4...20mA transmitter</p> <p>2-wire technology</p> <p>I420G=4...20mA transmitter 3-wire technology</p> <p>R01K= Potentiometer 1K<math>\Omega</math></p> <p>R500=Potentiometer 500<math>\Omega</math></p> <p>R05K=Potentiometer 5K<math>\Omega</math></p> <p>R10K=Potentiometer 10K<math>\Omega</math></p>	<p>Linearity</p> <p>L05= + / - 0.05%</p> <p>L10= + / - 0.10%</p> <p>L15= + / - 0.15%</p>	<p>E-connection</p> <p>C = Connector</p> <p>K = Cable (standard 1m)</p>
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