SZ1830 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 date

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

Technical date - Mechanical data

Measuring range	0 to 30000 mm(SZ1830-M) 0 to 30000 mm(SZ1830-A)
Linearity	+ / - 0.05% of ultimate value
Circumference of micrometer drum	500 mm / revolution
Acceleration	2 M/S^2
Spring return	15N/25N
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(SZ1830-M) IP65(SZ1830-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 SZ1830-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): SZ1830-M-30000-6
Order code (10 mm shaft diameter): SZ1830-M-30000-10

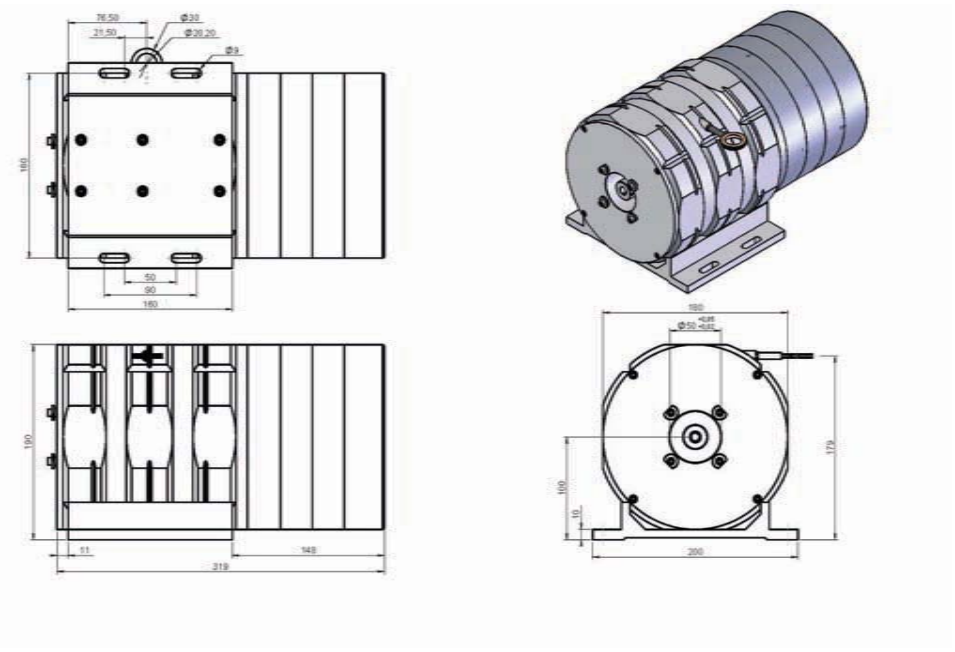
SZ1830-analog

SZ1830-A – □ – □ – □ – □

Model

Measuring length mm
20000/30000/40000

Output types
U10 = 0...10V
I420=4...20mA transmitter 2-wire technology
I420G=4...20mA transmitter 3-wire technology
R01K= Potentiometer 1KΩ
R500=Potentiometer 500Ω
R05K=Potentiometer 5KΩ
R10K=Potentiometer 10KΩ

Linearity
L05= + / - 0.05%
L10= + / - 0.10%
L15= + / - 0.15%

E-connection
C = Connector
K = Cable (standard 1m)